NISTIR 5510
(Supersedes NISTIR 5475)

VALIDATED PRODUCTS LIST
1994 No. 4

Programming Languages
Database Language SQL
Graphics
GOSIP
POSIX
Computer Security

Judy B. Kailey
Peggy N. Himes
Editors

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of Standards
and Technology
Computer Systems Laboratory
Software Standards Validation Group
Gaithersburg, MD 20899

October 1994

NIST

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FOREWORD

The Validated Products List is a collection of registers describing implementations of Federal Information Processing Standards (FIPS) that have been validated for conformance to FIPS. The Validated Products List also contains information about the organizations, test methods and procedures that support the validation programs for the FIPS identified in this document.

The Validated Products List is updated quarterly.

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1. INTRODUCTION

1.1   Purpose

The testing of Information Technology (IT) Products to determine the degree to which they conform to specific Federal Information Processing Standards (FIPS) may be required by Government agencies as specified by the FIPS, Federal Information Resources Management Regulation (FIRMR) Parts 201-20.303, 201-20.304, and 201-39.1002, and the associated Federal ADP and Telecommunications Standards Index. Products having a current validation certificate or test report may be offered or delivered by vendors in response to requirements as set forth in solicitations by Federal agencies. The Validated Products List (VPL) contains conformance testing information for the following IT Standards:

> Programming Languages COBOL, Fortran, Ada, Pascal, C, and MUMPS
> Database Language SQL
> Graphics
> GOSIP
> POSIX
> Computer Security

This List is updated and published quarterly. The information contained herein is supplied by the contributors listed in Section 2.6 and Appendix A, and is current as of the tenth of the month preceding the publication date. Copies of the VPL may be obtained from:

> National Technical Information Service
> U.S. Department of Commerce
> 5285 Port Royal Road
> Springfield, VA 22151.
>
> Subscriptions: (703) 487-4630
> Individual Copies: (703) 487-4650
>
> Ordering Number: PB93-937303/AS

The entries in the printed VPL (except those for GOSIP, POSIX and Ada) are contained in WordPerfect Version 5.1 files and may be accessed on the Internet using the following instructions:

> Type: **ftp speckle.ncsl.nist.gov** (internet address is 129.6.59.2)
> Login as user **ftp**
> Type your e-mail address preceded by a dash (-) as the password
> Type: **cd vpl**
> Type: **binary**
> Type: **get** and the name of the file you want; e.g. **language**

These entries are also available as DOS text files, through the World Wide Web using MOSAIC using one of the following instructions:

a. Open the file called "http://speckle.ncsl.nist.gov/~ kailey/intro.vpl"
b. Open the file called "ftp://speckle.ncsl.nist.gov/vpl/html/intro.vpl"

Questions or comments concerning the VPL should be directed to:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Software Standards Validation Group
Building 225, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3274

1.2 Document Organization

1.2.1 Programming Languages

Section 2 identifies those COBOL, Fortran, Pascal, C, Ada, and MUMPS programming language processors that have a current validation certificate or registered test report referencing the applicable FIPS as of the date of this publication.

1.2.2 Database Language SQL

Section 3 identifies those SQL language processors that have a validation certificate or a registered test report for FIPS PUB 127-1 and FIPS PUB 127-2 as of the date of this publication.

1.2.3 Graphics

Section 4 lists the implementations or files for which a validation certificate is currently in place. These entries include:

Graphical Kernel System (GKS) implementations (FIPS PUB 120-1),
Programmer's Hierarchical Interactive Graphics Systems (PHIGS) (FIPS PUB 153),
Computer Graphics Metafiles (CGMs) (FIPS PUB 128),
Raster Graphics data files (FIPS PUB 150).

1.2.4 GOSIP

Section 5 contains information regarding FIPS PUB 146-1, GOSIP, conformance testing registers.

1.2.5 POSIX

Section 6 identifies POSIX products that have a current validation certificate for FIPS PUB 151-1 and FIPS PUB 151-2.

1.2.6 Computer Security

Section 7 contains information regarding validated products for FIPS PUB 46-1, Data Encryption Standard (DES), FIPS PUB 113, Computer Data Authentication (Implements Message Authentication Code, ANSI X9.9), and FIPS PUB 171, Key Management Using ANSI X9.17.

1.2.7 FIPS Conformance Testing Products

Appendix A lists FIPS conformance testing products and services available to the public. Information for these products and services may be obtained by contacting the appropriate person listed.

2. PROGRAMMING LANGUAGES

2.1 FIPS Programming Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies when acquiring language processors, are responsible for assuring that processors are in accordance with the following FIPS for programming languages:

a. COBOL processors must satisfy the provisions of FIPS PUB 21-3, COBOL, and must be identified as implementing all of the language elements of at least one of the subsets of FIPS COBOL as specified in FIPS PUB 21-3.

b. BASIC processors must satisfy the provisions of FIPS PUB 68-2, BASIC.

c. Fortran processors must satisfy the provision of FIPS PUB 69-1, Fortran, and must be identified as implementing all of the language elements of the subset or full levels of FIPS Fortran as specified in FIPS PUB 69-1.

d. Pascal processors must satisfy the provisions of FIPS PUB 109, Pascal.

e. Ada processors must satisfy the provisions of FIPS PUB 119, Ada.

f. MUMPS processors must satisfy the provisions of FIPS PUB 125-1, MUMPS.

g. C processors must satisfy the provisions of FIPS PUB 160, C.

h. VHDL processors must satisfy the provisions of FIPS PUB 172, VHDL.

Copies of the above publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Conformance testing programs are currently available for all above FIPS except for the programming language BASIC and VHDL. A test suite for BASIC is being developed.

2.2 Organization of Programming Language Processor Entries

The entries in the VPL for programming language processors are presented as follows:

• The VENDOR ID column contains the name of the Vendor of the processor.

• The PROCESSOR ID column contains the Processor identification and the Validation Summary Report (VSR) or certificate number. This number refers to the VSR that was produced as a result of the testing. The VSR describes the testing environment and details any processor nonconformity that was detected as a result of the testing. Information for obtaining a VSR is listed in section 2.6.

• Derived processors in the VENDOR & COMPILER column are Ada processors that have been derived from the processor/hardware/operating system environment used during the testing. In order for derived processors to be listed here, they must be properly registered with the Department of Defense, Ada Joint Program Office (AJPO) by the vendor of the processor.

- The HARDWARE & OPERATING SYSTEM column presents the hardware and operating system environment (including pertinent supporting system software) used during the validation. In the case of Ada processors, those environments for derived processors will appear in this column.

- The EXPIRY DATE column lists the expiration date of the Certificate of Validation or Registered Validation Summary Report. A processor may be included in the List after the certificate has expired if the validation is in process. Notification must be received by NIST at least 30 days prior to publication of the List in order for such a processor to be included. In this case the expiration date will be followed by "(pending)".

- For COBOL processors, the SUBSET column cites the applicable Federal Subset. For Fortran processors, the LEVEL column specifies the applicable Federal level. For Pascal processors, the ISO 7185 Pascal Standard Level (ISO 7185 Level 0 is equivalent to FIPS 109). This designation is presented in the PROCESSOR ID column.

- The entries in the OTHER ENVIRONMENTS column are registered hardware and operating system environments for the processor tested. The vendor of the processor has certified that the identified processor, when operating under the environments included in this column, produces the same test results as those obtained from the hardware and operating system environment used during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.

Also listed are the programming language processors that have been tested and during the testing were found to have one or more nonconformities.

2.3 Validation of Processors

2.3.1 Validation Requirements

In accordance with the requirements referenced in Section 1.1, language processors offered to the Government for purchase, lease, or use in connection with ADP services shall be validated for conformance to FIPS for programming languages. To confirm that the specifications of the designated FIPS have been met:

a. the processor shall be tested with the Compiler Validation System (CVS) approved by NIST,

b. the processor validations shall be conducted in accordance with NIST validation procedures,

c. a Validation Summary Report (VSR) shall be produced summarizing the test results of the CVS on the designated processor for that FIPS,

d. all nonconformities noted in the VSR shall be corrected within twelve months,

e. a Certificate of Validation shall be issued if validation results warrant. In order for a processor to receive a Certificate of Validation the processor must successfully pass all applicable tests of the CVS without exception.

The Federal ADP and Telecommunications Standards Index supplies standard terminology which may allow for delayed validation. When delayed validation is allowed, the offeror may meet this

requirement by showing evidence of having submitted the processor for validation. Proof of submission is in the form of a letter from NIST scheduling the validation.

Programming language processors offered to the Federal Government must comply with the applicable Government requirements. Failure to comply with these requirements shall be deemed sufficient cause to declare a bidder non-responsive or to declare a vendor in default for failure to deliver required software.

2.3.2 Placement in the List

For a processor to be placed in the List it must:

a. have been officially tested within the past twelve calendar months, and

b. have no errors remaining that were identified during a previous test.

2.3.3 Removal from the List

A processor is removed from the List when:

a. the processor is not officially tested within twelve calendar months, or

b. testing indicates that the processor still contains errors identified during a previous validation.

2.3.4 Validation Procedures

Validation procedures are published in the following documents:

Compiler Validation Procedures, dated January 15, 1993
Ada Compiler Validation Procedures and Guidelines, Version 3.1, August, 1992
Pascal Validation Policy and Procedures, Version 5.6, September 1, 1994
MUMPS Validation Procedures, Version 1.0, dated August 13, 1992

2.4 Certificate of Validation

A Certificate of Validation is issued for those programming language processors that have been tested and are considered to be in compliance with the FIPS as specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Index.

The requirement for retesting may be waived and the certificate of validation extended at the option of NIST if:

a. no errors were identified during the previous testing of the processor,

b. the vendor certifies, in writing, to NIST that no changes have been made to either the processor or the supporting system software, and

c. no new version of the validation system has been officially released during the interim period.

2.5 Language Processor Validation Suites

Following are the validation suites and ordering information for testing programming language processors for conformance to FIPS.

a. Copies of the COBOL, Fortran, MUMPS, and Ada Compiler Validation Suites may be purchased from:

National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, VA 22161
Telephone (703) 487-4650 (Voice)
(703) 321-8547 (FAX)

COMPILER VALIDATION SYSTEM [MEDIUM/FORMAT]	VERSION	NTIS ACCESSION NUMBER
COBOL 85 (CCVS85)	4.2	PB93-504918
Fortran (FCVS78)	2.1	PB94-500691
Ada [Tape/Backup]	1.11	ADA212551
Ada [Tape/Tar]	1.11	ADA212437
Ada [Tape ANSI Standard]	1.11	ADA212548
Ada [Disk (MS/DOS)]	1.11	ADA212549
MUMPS [Tape/Backup]	7.61	PB91-507699
MUMPS [Tape/ANSI]	7.61	PB91-507715
MUMPS [Tape/Tar]	7.61	PB91-507723
MUMPS [Disk (MS-DOS)]	7.61	PB91-507707

b. The current version of the Pascal Validation System (PVS) is Version 5.6 and is available from:

British Standards Institution (BSI)
Software Engineering Department
BSI Quality Assurance
P. O. Box 375
Milton Keynes
MK14 6LL
ENGLAND
Telephone (011) +44-908-220908 (Voice)
(011) +44-908-220671 (FAX)

c. The current version of the ANSI C Validation Suite (ACVS™) is Version 4.1 and is available from:

Perennial, Inc.
4699 Old Ironsides Drive
Suite 210
Santa Clara, CA 95054
Telephone (408) 748-2900 (Voice)

2.6 Testing Laboratories and Supporting Organizations

The organizations listed below have performed validations, supplied information, or are sources for Validation Summary Reports (VSR) for programming languages. These organizations may be contacted for validation information and for copies of VSR(s). COBOL and Fortran VSR(s) may be obtained from NIST. Pascal VSR(s) whose VSR numbers begin with "NIST" or end in "US" may also be obtained from NIST. Pascal VSR(s) whose VSR numbers end in "UK" are available from BSI. Ada VSR(s) may be obtained from the Ada Information Clearinghouse, the National Technical Information Service, or from the Ada Validation Facility (AVF) that produced the VSR. To obtain a copy of a VSR from an AVF, locate the upper case letter in the certificate number (e.g., 870608W1. . .). That letter corresponds to the letter in the CODE column to the left of the organizations listed below.

CODE	ORGANIZATION	CONTACTS	LANGUAGE
S	National Institute of Standards and Technology Software Standards Validation Group Building 225, Room A266 Gaithersburg, MD 20899 (301) 975-3274 Telex: 197674 NBS UT FAX: (301) 948-6213	L. Arnold Johnson Judy Kailey Carmelo Montanez William Dashiell	All COBOL, Fortran BASIC Pascal, C Ada, MUMPS, SQL, VHDL
N	National Computing Centre Limited (NCC) Oxford House, Oxford Road Manchester M1 7ED United Kingdom (011) +44 (61) 228 6333 +44 (61) 236 9877 (FAX) Telex 668962	Jane Pink Jon Leigh David Bamber	COBOL Fortran Ada C
	German National Research Center for Computer Science (GMD) Department Scientific Visualization Supercomputer Center (HLRZ) P. O. 1316, Schloss Birlinghoven D-W-5205 Sankt Augustin 1 Germany (011) +49-2241-14-2706 (voice) (011) +49-2241-14-2618 (FAX) kirsch @gmdzi.gmd.de	Berthold Kirsch	Fortran
	Instituto Italiano del marchio di Qualita (IMQ) Servicio SCQ Via Quintiliano, 43 20138 Milano Italy +39-2-5073266 +39-2-5073271 (Fax) Telex: 310 393 IMQI	Angelo Belloni	COBOL Fortran

JMI Institute 21-25, Kinuta 1-Chome Setagaya-Ku, Tokyo 157 Japan +81 3 3416 9600	Y. Fukui	COBOL Fortran
British Standards Institution Quality Assurance (BSIQA) P.O. Box 375 Milton Keynes MK14 6LL United Kingdom (011) +44 908-22-09-08 (011) +44-908-22-06-71 (Fax) Telex: 827682 BSIQAS G	John Souter	Pascal

W   Ada Validation Facility   Dale Lange   Ada
     Language Control Facility
     ASD/SCEL
     Wright-Patterson AFB, OH 45433-6503
     (513) 255-4472

B   Association Francais de Normalisation   M. Alphonse Philippe   Ada
or   (AFNOR)
A   Direction Certification
      Tour Europe, Cedex 7
      BP-92049 Paris la Dè fense
      FRANCE
      (011) 33-142915960
      (011) 33-142915656 (Fax)
      Telex: AFNOR 611 974 F

I   IABG-AVF   Michael Tonndorf   Ada
      Industrieanlagen-Betriebsgesellschaft
      Dept. ITE
      Einsteinstrasse 20
      D-8012 Ottobrunn
      Federal Republic of Germany
      +49-89-6088-2477
      e-mail: tonndorf@ajpo.sei.cmu.edu

      Ada Information Clearinghouse   Ada VSR(s)
      3D139
      1211 S. Fern, C-107
      The Pentagon
      Washington, D.C. 20301-3081
      (703) 685-1477

      National Technical Information Service   Ada VSR(s)
      U.S. Department of Commerce
      5285 Port Royal Road
      Springfield, VA 22161
      (703) 487-4650

2.7 LANGUAGE PROCESSORS WITH CERTIFICATES
NO NONCONFORMITIES

2.7.1 COBOL PROCESSORS

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Computer Associates	CA-Realia II Workbench Version 1.1.20 NIST-94/1701; Intermediate; 6/1/95	IBM PS/2 Model 95; Windows NT Version 3.1	IBM PS/2 Model 60, 70, 80, 90; Windows NT Version 3.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1702; Intermediate; 6/1/95	IBM PS/2 Model 95; Windows Version 3.1	IBM PS/2 Model 60, 70, 80, 90; Windows Version 3.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1703; Intermediate; 6/1/95	IBM PS/2 Model 95; OS/2 Version 2.1	IBM PS/2 Model 60, 70, 80, 90; OS/2 Version 2.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1704; Intermediate; 6/1/95	IBM PS/2 Model 95; DOS Version 6.20	IBM PS/2 Model 60, 70, 80, 90; DOS Version 6.20
	CA-Realia COBOL Version 4.2 NIST-94/1705; Intermediate; 6/1/95	IBM PS/2 Model 95; DOS Version 6.20	IBM PS/2 Model 60, 70, 80, 90; DOS Version 6.20
	CA-Realia COBOL Version 4.2 NIST-94/1706; Intermediate; 6/1/95	IBM PS/2 Model 90; OS/2 Version 2.1	IBM PS/2 Model 60, 70, 80, 95; OS/2 Version 2.1
Digital Equipment Corporation	VAX COBOL Version 5.2; NIST-94/1401; High; 4/1/95	VAX 4000 Model 60; OpenVMS VAX, Version 5.5	VAX 4000 models 200, 300; VAX 6000 models 200, 300, 400, 500; VAX's 8200, 8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 models 210, 400; VAXft 3000 model 310, VAX 11/730, VAX 11/750, VAX 11/785; MicroVAX II, 2000, 3100, 3200, 3500, 3520, 3540; VAXstation II, 2000, 3100, 3200, 3500, 3520, 3540; VAXserver 3600, 3602, 3800, 3900, 4000 models 200, 300; 6000, 210/220, 6000 310/320; 6000 410/420; 6000 510/520; OpenVMS VAX Version 5.5
	DEC COBOL for OpenVMS AXP Version 2.0; NIST-94/1402; High; 4/1/95	DEC/3000 Model 500; OpenVMS AXP, Version 6.1	DEC 10000, 7000, 4000, 3000, 2000, 1000; OpenVMS for AXP, Version 6.1
	DEC COBOL for OSF/1 AXP Version 1.1; NIST-94/1403; Intermediate; 4/1/95	DEC/3000 Model 500; OSF/1 AXP, Version 2.0	DEC 10000, 7000, 4000, 3000, 2000, 1000; OSF/1 for AXP, Version 2.0

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Micro Focus COBOL V3.1 for UNIX (Digital DECstation); NIST-94/1945; High; 8/1/95	Digital DECstation 5000/240 Ultrix Version 4.3A	
	Micro Focus COBOL V3.1 for UNIX (Digital Alpha AXP running OSF/1); NIST-94/1946; High; 8/1/95	Digital DEC 3000 AXP OSF/1 Version 2.0	
	Micro Focus COBOL V3.2 for UNIX (Intel 80386 running SCO UNIX); NIST-94/1947; High; 8/1/95	UNIQ 486 EISA SCO UNIX Version 3.2 v 4.2	
	Micro Focus COBOL V3.s.43 for NT (Intel 80386 running NT); NIST-94/1948; High; 8/1/95	Dell 466/T MS Windows NT Version 3.1	
	Micro Focus COBOL V3.2 for DOS, Windows and OS2 IBM PC); NIST-94/1949; High; 8/1/95	Digital DECPC 433dx MTE MS DOS Verson 6.2	
	Micro Focus COBOL V3.s.47 for NT (Digital Alpha AXP running NT); NIST-94/194A; High; 8/1/95	Digital Alpha AXP 150 MS Windows NT Version 3.1	
	COBOL Version 2.1 for DEC OSF/1 Systems NIST-94/2001; High; 9/1/95	DEC 3000 AXP Model 500 DEC OSF/1 Version 2.0	DEC 2000 Models 300 AXP, 500; 2100; 3000 Models 300, 300L, 300X, 300XL, 400, 400S, 500, 500S, 500X, 600, 600S, 800, 800S, 900; 4000 Models 610, 710; 7000 Models 610,700; 10000 Model 610; DEC OSF/1 Version 2.0
Hewlett-Packard Company	COBOL/HP-UX Version B.08.00; NIST-94/1631; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890, 890/1, 890/2, 890/3, 890/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
	COBOL/iX Version A.04.11; NIST-94/1632; High; 5/1/95	HP3000 Series 967; MPE/iX Version B.30.45	HP3000 Series 917, 920, 922, 925, 927, 932, 935, 937, 947, 948, 949, 950, 955, 957, 958, 960, 967, 977, 980/100/200/300/400, 987, 987/200RX/SX, 987/200Plus, 990, 991/CX/DX, 992, 992/100/200/300/400, 995/CX/DX/ 100/200/300/400/500/600/700/800, 918LX/RX, 928LX/RX, 968LX/RX, 978LX/RX; MPE/iX Version B.30.45

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Nihongo COBOL/HPUX (SJIS) Version A.08.02; NIST-94/1633; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200/300/400, 877, 887, 890, 890/1, 890/2/3/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
	Nihongo COBOL/HPUX (EUC) Version A.08.01; NIST-94/1634; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200/300/400, 877, 887, 890, 890/1/2/3/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
IBM Canada, Ltd.	COBOL/400 Version 2 Release 2; NIST-92/2071; Intermediate; 9/1/94 (pending)	AS/400; OS/400 Version 2 Release 2	
IBM Corporation	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1082; High; 12/1/94	IBM 3090; VM/ESA Version ESA Release 1.0	IBM 390, 3000, 4381-T92, 9000; VM/ESA Version ESA Release 1.0
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1081; High; 12/1/94	IBM 3090; MVS/ESA Version 4 Release 3	IBM 390, 3000, 4381-T92, 9000; MVS/ESA Version 4 Release 3
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1923; High; 6/1/95	IBM 3090; MVS/ESA Version 5 Release 1 VM/ESA Version 1 Release 2.2	IBM 390, 3000, 4381-T92, 9000; MVS/ESA Version 4 Release 3 VM/ESA Version ESA Release 1.0
	VS COBOL II Version 1 Release 4; NIST-94/1921; Intermediate; 6/1/95	IBM 3090; VM/ESA Version 1 Release 2.2 MVS/ESA Version 5 Release 1 VSE/ESA Version 1 Release 3	IBM 370, 390, 3000, 4300, 9000; VM/SP6 MVS/XA Version 2 Release 2.3 MVS/370 Version 1 Release 3.6 VSE/ESA Version 1 Release 3
Liant Software Corporation	LPI-COBOL Version 070011 (7.0.11); NIST-94/1241; High; 8/1/95	AT&T Global Information Solutions, Model 3000; UNIX Version V Release 4	
Micro Focus	Micro Focus COBOL V3.2 for DOS, Windows and OS/2; NIST-94/1941; High; 8/1/95	Compaq Deskpro; IBM OS/2 Version 2.1 IBM PS/2 Model 80; Microsoft DOS Ver 6.2	IBM PS/2 Model 85; IBM OS/2 Version 2.1 Dell 433 MX MS DOS Version 6.2

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Micro Focus COBOL V3.2 for UNIX (IBM RS/6000); NIST-94/1942; High; 8/1/95	IBM RISC System/6000, 58H AIX Version 3.2.5	
	Micro Focus COBOL V3.2 for UNIX (Intel 80386 running SCO UNIX); NIST-94/1943; High; 8/1/95	UNIQ 486 EISA SCO UNIX 3.2 v 4.2	
	Micro Focus COBOL V3.2 for UNIX (Sun SPARC running Solaris 2); NIST-94/1944; High; 8/1/95	Sun Sparcstation 10 Solaris 2.3	
Sequent Computer Systems Corp.	Micro Focus COBOL V3.0; NIST-93/2001; High; 2/1/95	S2000/250; DYNIX/ptx Version 2.0 Release 1.0	S/2000/450, S/750; DYNIX/ptx Version 2.0 Release 1.0
Siemens Nixdorf Informations- systsme AG	COBOL-IN Version 3.1; NIST/NCC-94/985; High 8/23/95	WX200; SINIX Version 5.41	
	COBOL-MI Version 3.1; NIST/NCC-94/986; High 8/23/95	RM600; SINIX Version 5.41	
	COBOL85 Version 2.1B NIST/NCC-94/987; High 8/23/95	7.500; BS2000/OSD Version 1.0	
Silicon Graphics, Inc.	Micro Focus COBOL V3.1 for UNIX (SGI Indigo and Challenge); NIST-94/1940; High; 8/1/95	SGI IRIX INDY IRIX Version 5.1.1.2	
Tandem Computers, Inc.	COBOL85 Version D20.02; NIST-94/1761; High; 6/1/95	NonStop Cyclone; Guardian Version D20	VLX; CLX 700, CLX 800; HIMALAYA K110, K120, K1000, K10000; Guardian Version D20

2.7.2 FORTRAN PROCESSORS

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Concurrent Computer Corporation	Fortran VII O Version R06 Release 01; NIST-94/1721; Full; 9/1/95	3280MPS; OS/32 Version R09 Release 02	32xx, Model 3200, Micro 3200, 3280E; OS/32 Version R09 Release 02
	Fortran VII Z Version R06 Release 01; NIST-94/1722; Full; 9/1/95	3280MPS; OS/32 Version R09 Release 02	32xx, Model 3200, Micro 3200, 3280E; OS/32 Version R09 Release 02
	SP-2450 (Fortran 77) Version 2.1; NIST-94/1723; Full; 9/1/95	7000 Model 7200; RTU Version 6.1	Model 71xx, 72xx, 74xx, 75xx; RTU Version 6.1
	SP-2450 (Fortran 77) Version 2.3; NIST-94/1724; Full; 9/1/95	MAXION Multiprocessor System Model 9502; RTU Version 6.2	MAXION Multiprocessor System Model 9100, 9200 RTU Version 6.2
Convex Computer Corporation	Convex Fortran Version 9.0; NIST-94/1501; Full; 6/1/95	Convex C Series Model C4620; ConvexOS Version 11.0	Convex C46XX, C38XX, C34XX, C32XX; ConvexOS Version 11.0
	Convex Fortran Version 9.0; NIST-94/1502; Full; 6/1/95	Convex Exemplar Series Model SPP1000/XA; SPP-UX Version 9.03	Convex SPP1000/XA, SPP1000/CD SPP-UX, Version 9.03
Cray Computer Corporation	f77 Version 1.0; NIST-93/2201; Full; 3/1/95	CRAY-3; CSOS Version 1.0	
	f77 Version 1.0; NIST-93/2202; Full 3/1/95	Cray 3; CSOS Version 1.0	

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC Fortran for OpenVMS VAX, Version 6.1; NIST-93/2143; Full; 12/1/94	VAX 6000-420; OpenVMS VAX Version 6.0	VAX 4000 Models 100, 100A, 105A, 200, 300, 400, 500, 500A, 600, 600A, 700A; VAX 6000 Models 200, 300, 400, 500, 600; VAX 7000 Model 600; VAX 8200, 8250, 8300, 8350, 8500, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842; VAX 9000 Models 110, 210, 300, 400, 420, 430, 440; VAX 10000 Model 600; VAXft Models 110, 310, 410, 610, 612; VAX 11/730, 11/750, 11/780, 11/785; MicroVAX II, 2000, 3100 10/10E, 20/20E, 30, 40, 80, 90; MicroVAX 3300, 3400, 3500, 3600, 3800, 3900; VAXstation II, 2000; 3100 Models 30, 38, 40, 48, 76; 3200, 3500, 3250, 3540; VAXstation 4000 Models 60, 90, VLC; VAXserver 3100 Models 10/10E, 20/20E; 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 4000 Models 200, 300, 500; VAXserver 6000 Models 210, 220, 310, 320, 410, 420, 510, 520, 610, 620, 630; VAXserver 9000 Models 110, 310, 320, 330, 340; OpenVMS VAX Version 6.0, 5.5, 5.4
	DEC Fortran for OpenVMS AXP, Version 6.1; NIST-93/2141; Full; 12/1/94	DEC 3000-500; OpenVMS AXP Version 1.5	DEC 2000 300, DEC3000 300, 300L, 500X, 400 AXP Workstation, 400 AXP Server, 500 AXP Workstation, 500 AXP Server; 600, 600 Server 800, 800 Server, DEC 4000 600 AXP, 710; DEC 7000 600 AXP; DEC 10000 600 AXP; OpenVMS AXP Version 1.5
	DEC Fortran for RISC/ULTRIX Version 3.2; NIST-93/2142; Full; 12/1/94	DECstation 5000, Mod 200; RISC/ULTRIX Version 4.3	DECstation 2100, 3100, 3100s; Personal DECstation 5000 20/25 MX, HX, TX, PXG+, PXG Turbo+; DECstation 5000 120/125/133 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo, PXG Turbo+; 200 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo+; 240 MX, HX, TX, PXG, PXG Turbo+; DECsystem 3100; 5000 25, 200, 240; 5100; 5400; 5500; 5810; 5820; 5830; 5840; 5900; ULTRIX/RISC Version 4.3
	DEC Fortran for DEC/ OSF/1 AXP Version 3.4; NIST-94/1404; Full; 4/1/95	DEC 4000 Model 610; DEC OSF/1 AXP Version 2.0	DEC/10000; 7000; 4000; 3000; 2000 DEC OSF/1 Alpha Version 2.0
	DEC Fortran 90 for DEC OSF/1 AXP Version 1.0; NIST-94/2002; Full; 9/1/95	DEC 4000 Model 600 AXP; DEC OSF/1 AXP Version 2.0	DEC 2000 AXP, DEC 2100 AXP, DEC 3000 AXP, DEC 4000 AXP, DEC 7000 AXP, DEC 10000 AXP; DEC OSF/1 AXP Version 2.0
	DEC Fortran for Windows NT AXP Version 1.0; NIST-94/2003; Full; 9/1/95	DECpc AXP/150; Windows NT AXP Version 3.5	DECpc 2000 Model 300, DECpc 2000 Model 500, DECpc AXP 150, DECpc AXP Universal Platform, DEC 2100 Servers Models A500MP and A600MP; Windows NT AXP Version 3.5
Encore Computer Corporation	Fortran 77+ Version 5.2.0; NIST-93/1441; Full; 12/1/94	Concept 32/97; MPX-32 Version 3.5u02A	Concept 32/67, 32/20xx, Encore RSX; MPX-32 Version 3.5u02A

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Parallel Fortran+ Version 1.2.0; NIST-93/1442; Full; 12/1/94	Encore 91; UMAX V Version 3.0.7	Infinity 90; UMAX V Version 3.0.7
	Parallel Fortran+ Version 1.2.0; NIST-93/1443; Full; 12/1/94	Encore 93; UMAX V Version 3.1.2	
Fujitsu America, Inc.	OSIV/MSP Fortran77 EX Version 11 Level 10; NIST-91/1383; Full; 2/1/95	Fujitsu VP100E; OSIV/F4 MSP Edition 20	Fujitsu M780; M760; OSIV/F4 MSP Edition 20
	OSIV/MSP Fortran77 EX Version 11 Level 10; NIST-91/1384; Full; 2/1/95	Amdahl 5990; IBM MVS/SP Version 3 Release 1.3	IBM 3090/200E; IBM MVS/SP Version 2 Release 2.3
	UXP/M Fortran77 EX/VP Version 11 Level 10; NIST-91/1601; Full; 2/1/95	Fujitsu VP2400/10; UXP/M Version 10 Level 10	Fujitsu VP2000 Series; UXP/M Version 10 Level 10
	UXP/M Fortran77 EX/VP Version 11 Level 10; NIST-91/1602; Full; 2/1/95	Fujitsu VP2400/10; UXP/M Version 10 Level 10	Fujitsu VP2000 Series; Fujitsu M Series; UXP/M Version 10 Level 10
Hewlett- Packard Company	HP 9000 S700 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1121; Full; 1/1/95	HP9000 Model 720; HP-UX Version 9.0	HP9000, mod 705, 710, 730, 750; HP-UX Version 9.0
	HP 9000 S300/S400 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1122; Full; 1/1/95	HP9000 Model 433T; HP-UX Version 9.0	HP9000, mod 400, 425, 332, 345, 350, 360, 370, 375, 380, 385; HP-UX Version 9.0
	HP 9000 S800 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1123; Full; 1/1/95	HP9000 Model 835; HP-UX Version 9.0	HP9000, mod 807, 817, 825, 827, 834, 835, 837, 840, 845, 847, 850, 857, 860, 867, 870; HP-UX Version 9.0
	HP 3000 S900 Fortran 77 Version A.04.31 Rel 9.0; NIST-93/1124; Full; 1/1/95	HP3000 Model 947LX; MPE/iX Version 4.0	HP3000, mod 917, 922, 925, 927, 930, 932, 935, 937, 950, 955, 957, 960, 967, 980, 990; MPE/iX Version 4.0

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
IBM Canada, Ltd.	IBM AIX XL Fortran Compiler/6000 Version 3 Release 1; NIST-93/1921; Full; 1/1/95	IBM RISC System /6000 POWERstation /POWERserver 550; AIX for RISC System /6000 Version 3 Release 2.5	RISC System/6000 Powerstation /Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 58H, 590, 730, RISC System/6000 Powerserver 25S, 930, 950, 970, 990; AIX for RISC System/6000 Version 3 Release 2.5
IBM Corporation	VS Fortran Version 2 Release 6; NIST-94/1922; Full; 6/1/95	IBM S/390 ES9000 9021 Model 720 MVS/ESA SP Version 4 Release 3	S/390, ES/9000, S/370, 30XX, 43XX, 93XX MVS/SP Version 1, Release 3 MVS/SP Version 2, Release 2 MVS/SP Version 3, Release 1
Intel SSD	f77 Native Compiler Version R4.5; NIST-93/1781; Full; 11/1/94	XP/S; OSF/1 AD Release R1.1	
Intergraph Corporation	Clipper Advanced Optimizing Fortran, Version 1.57; NIST-94/1101; Full; 12/1/94	Clipper Model 2730; CLIX, Version 7.1	Clipper C300 and C400; CLIX, Version 7.1
	Clipper Advanced Optimizing Fortran, Version 2.0; NIST-94/1104; Full; 12/1/94	Clipper Model 2730; CLIX, Version 7.1	Clipper C300 and C400; CLIX, Version 7.1
Liant Software Corporation	Fortran/400 Version 2 Release 2; NIST-94/1242; Full; 8/1/95	IBM AS/400 Model B4500; IBM OS/400 Version 2 Release 2	
	Fortran/400 Version 2 Release 3; NIST-94/1243; Full; 8/1/95	IBM AS/400 Model B4500; IBM OS/400 Version 2 Release 3	
Microsoft Corporation	Fortran PowerStation Version 1.0, Release a; NIST-94/1421; Full; 6/1/95	Dell PC 486D/5O CPU Microsoft Windows for Workgroups Version 3.1.1 under MS DOS Version 6.20	
Modular Computer Systems, Inc.	GLS Fortran 77 Version C.0; NIST-94/1561; Full; 4/1/95	REAL/STAR 9088R-4; REAL/IX Version E.0	REAL/STAR Models 9088 R-2, 9088 R-1, 9087, 9097-R1, 9097-R2; REAL/IX Version E.0
	Fortran 77/16 Version B.5; NIST-94/1562; Full; 4/1/95	CLASSIC 9250; MAX IV Version L.0	CLASSIC 9230; MAX IV Version L.0

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Fortran 77/32 Version B.5; NIST-94/1563; Full; 4/1/95	CLASSIC 9250; MAX 32 Version D.3	CLASSIC 9230; MAX 32 Version D.3
Salford Software Ltd.	FTN77/486 Version 2.73; NIST/NCC-94/983; Full; 6/30/95	Western Systems 486 DX2 (WS486 DX2-66); MS-DOS Version 6.2	
	FTN77 Version 1.0; NIST/NCC-94/984; Full; 6/30/95	Western Systems 486 DX2 (WS486 DX2-66); MS-Windows/NT Version 3.1	
Sequent Computer Systems, Inc.	ptx/Fortran Version 2.1p NIST-93/2002; Full; 2/1/95	S2000/250; DYNIX/ptx Version 2 Release 1.0	S2000/450, S2000/750; DYNIX/ptx Version 2 Release 1.0
Siemens Nixdorf Informations- systeme AG	Fortran77 V1.3; NIST/NCC-93/978; Full; 11/1/94	PCE-5S; SINIX-Z V5.41	MX300, MX500, WX200; SINIX-L Version 5.41
	Fortran77 V1.3; NIST/NCC-93/979; Full; 11/1/94	RM400; SINIX-N V5.41	RM600, RNM600; SINIX-P Version 5.41
	FOR1 V2.2; NIST/NCC-93/980; Full; 11/1/94	7.592I; BS2000/OSD V1.0A (BS2000 V11.0A)	
	FORTRAN90 V1.0; NIST/NCC-93/981; Full; 11/1/94	7.592I; BS2000/OSD V1.0A (BS2000 V11.0A)	
Silicon Graphics Computer Systems Inc.	Fortran 77 Version SC4-FTN-3.19; NIST-94/1441; Full; 10/1/95	40/CRIM Model IP17; IRIX Version 5.3	
	MIPS PRO Fortran 77 Version SC4-FTN-6.0; NIST-94/1442; Full; 10/1/95	Challenge Model IP21; IRIX Version 6.0	
Sunsoft, a Sun Microsystems, Inc. Business	SPARCompiler Fortran Version 3.0; NIST-93/2181; Full; 2/1/95	SPARCstation LX SPARCserver 1000; Solaris Version 2.3	
	SPARCcompiler Fortran MP (SPARCworks iMPact 1.0); NIST-93/2182; Full; 2/1/95	SPARCstation 10 SPARCserver 1000 SPARCcenter 2000; Solaris Version 2.3	

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	SPARCompiler Fortran Version 3.0.1; NIST-94/1741; Full; 9/1/95	SPARCstation 5; SunOS Version 4.1.3 SPARCstation 20 Solaris Version 2.4	Voyager, SPARCstation 10, SPARCserver 1000, SPARCcenter 2000; Solaris Version 2.4 SPARCstation 10, SPARCserver 1000, SPARCcenter 2000; SunOS Version 4.1.3
	SPARCompiler Fortran MP (SPARCworks iMPact 2.0) NIST-94/1742; Full; 9/1/95	SPARCstation 20; Solaris Version 2.4	SPARCstation 10, SPARCserver 1000, SPARCcenter 2000; Solaris Version 2.4
	ProCompiler Fortran Version 2.0.1; NIST-94/1743; Full; 9/1/95	Gateway 2000 486/33E; UnixWare Version 1.1	
Tandem Computers, Inc.	Fortran Version D20; NIST-94/1762; Full; 6/1/95	NonStop Cyclone; Guardian Version D20	VLX; CLX 700; CLX 800; HIMALAYA K110, K120, K1000, K10000 Guardian Version D20

2.7.3 Ada PROCESSORS

The following pages list Ada compilers that have been validated by the Ada Joint Program Office (AJPO). Compilers are listed in order of vendor. The list is updated monthly, and presently includes 336 base compilers and 401 compilers derived from base implementations. For the most current information on validated Ada compilers, please contact the Ada Information Clearinghouse at (703) 685-1477.

(Key: * = Validated through Registration, base system above)
(Key: (#YYMMDDFX.XXNNN): YYMMDD is the date on-site testing was completed;
                    F is the Ada Validation Facility;
                    X.XX is the ACVC Version;
                    NNN is a unique sequence number that is assigned by the AVO)

For example, the certificate number #901120W1.11087 means the compiler completed on-site testing November 20, 1990, at Wright-Patterson AFB under ACVC 1.11.

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration AETECH XAda Ver. 6.1 (BASE #901129W1.11086)	Any computer system comprising: cpu: Intel 80386 or 80486; fpu: Optional; memory: 8 MByte RAM; disk: 160 MByte hard drive (under SCO Unix 3.2, Solaris X86, ESIX System V, Release 4.0, & Interactive Unix System V, Release 3.2)	Same as Host	AETECH, Inc. IntegrAda 5.1.0 POSIX (#901129W1.11086)	Unisys PW/2 386 (under SCO Unix 3.2)	Same as Host
*Validated by Registration AETECH XAda Version 6.1 (BASE #901129W1.11086)	Any computer system comprising: cpu: Intel 80386 or 80486; fpu: optional; memory: 8 MByte RAM; disk: 160 MByte hard drive (under Univel UnixWare Version 1.0.3a)	Same as Host	*Validated by Registration AETECH, Inc. IntegrAda Posix 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host
AETECH, Inc. IntegrAda 386 5.1.0 (#901120W1.11087)	Northgate 386/25 (under Phar Lap/DOS 3.3)	Northgate 386/25 (under MS DOS 3.3)	*Validated by Registration AETECH, Inc. AETECH POSIX Compiler, Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under Interactive Unix System V, Release 3.2)	Same as Host
*Validated by Registration AETECH, Inc. IntegrAda 386 5.1.0 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)	*Validated by Registration AETECH, Inc. AETECH POSIX Compiler Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 60 MByte hard drive (under ESIX System V, Release 4.0)	Same as Host
*Validated by Registration AETECH, Inc. IntegrAda for Windows Ver 1.2 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0, with Windows 3.1)	Same as Host	Aitech Defense Systems, Inc. AJ-ADA/88K Version 2.4 (#900930W1.11030)	VAXstation 3100 Cluster (under VMS 5.3)	Tadpole TP880V (88100-based VME board) (bare machine)
*Validated by Registration AETECH, Inc. IntegrAda 386 Ver 6.2 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0)	Same as Host	*Validated by Registration Aitech Defense Systems, Inc. AJ-ADA/88K, Version 2.4 (BASE #900930W1.11030)	All DEC MicroVAX, VAXstation, VAXserver, VAX-11, VAX 8xxx & VAX 6xxx series (under VMS versions 5.0, 5.1, 5.2 & 5.3, as supported)	Tadpole TP880V (88100-based VME board) & Motorola MVME181 (88100-based VME board) (bare machines)
			Aitech Defense Systems, Inc. AJ-ADA/96K, Version 3.0 (#911012W1.11224)	VAXstation 3100 Cluster (under VMS 5.3)	DSP96002ADS board (bare machine)
*Validated by Registration AETECH, Inc. IntegrAda DOS Ver 6.1 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80x86 series; fpu: optional; memory: 640 KByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0)	Same as Host	Aitech Defense Systems, Inc. AJ-ADA/96K, Version 3.0 (#911012W1.11225)	Sun-4/330 (under SunOS 4.1.1)	DSP96002ADS board (bare machine)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11225)	Sun-4/330 (under SunOS 4.1.1)	DSP96002 ADS board (bare machine)	Alsys AlsyCOMP_004 Version 5.5.1 (BASE #901022A1.11044)	HP Apollo 9000 Series 400 (under Domain/OS SR10.4)	Any Host
Alenia Aeritalia & Selenia S.p.A DACS VAX/VMS to 80x86 PM MARA Ada Cross Compiler, Version 4.6 (#920509S1.11259)	MicroVAX 4000/200 (under VMS Version 5.4)	Alenia MARA (80286-based) (under Alenia Operating System, Version 8.6 System)	Alsys AlsyCOMP_050, Version 5.3 (#901022A1.11045)	Bull DPX/2 320 (under B.O.S. 02.00.05)	Same as Host
*Validated by Registration Alenia Aeritalia & Selenia S.p.A DACS 80x86PM, Version 4.60 (BASE #920509S1.11259)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	Alenia MARA 80386-& 80486-based computers (under Alenia Operating System 8.6)	*Validated by Registration Alsys AlsyCOMP_050, Version 5.3 (BASE #901022A1.11045)	Bull DPX 2/210, /220, /320, /340 & /360 (under BOS 02.00.05 & 2.00.10)	Any Host
Alliant Computer Systems Corporation Alliant FX/Ada-2800 Compiler, Version 1.0 (#901218W1.11105)	Alliant FX/2800 (under Concentrix Release 2.0)	Same as Host	Alsys AlsyCOMP_002, Version 5.3 (#901022A1.11046)	HP 9000s350 (under HP-UX 6.5)	Same as Host
Alliant Computer Systems Corporation Alliant FX/Ada Compiler, Version 2.3 (#901218W1.11106)	Alliant FX/80 (under Concentrix Release 5.7)	Same as Host	*Validated by Registration Alsys AlsyCOMP_002, Version 5.3 (BASE #901022A1.11046)	HP 9000 Series 300, all models (under HP-UX 6.5 & 7.0)	Any Host
Alsys AlsyCOMP_053, Version 1.82 (#90050911.11009)	VAX 8530 (under VMS, Version 5.1)	Same as Host	*Validated by Registration Alsys AlsyCOMP_002 Version 5.5.1 (BASE #901022A1.11046)	HP 9000 Series 300 & 400 (all models) (under HP-UX 8.0)	Any Host
Alsys AlsyCOMP_042, Version 5.3 (#900627N1.11013)	IBM 9370 Model 90 (under AIX/370 Version 1.2)	Same as Host	Alsys AlsyCOMP_005, Version 5.3 (#901022A1.11047)	Sun-3/260 (under SunOS 3.2)	Same as Host
Alsys AlsyCOMP_026, Version 1.82 (#90081411.11040)	Sun-3/60 (under SunOS, Version 4.0.3)	Same as Host	*Validated by Registration Alsys AlsyCOMP_005, Version 5.3 (BASE #901022A1.11047)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Any Host
Alsys AlsyCOMP_025, Version 1.83 (#90081411.11041)	MIPS M/120-5 (under RISC/os, Version 4.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_005 Version 5.5.1 (BASE #901022A1.11047)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Any Host
Alsys AlsyCOMP_046, Version 5.3 (#901022A1.11043)	Sony NEWS NWS-1850 (under NEWS-OS 3.3)	Same as Host	Alsys AlsyCOMP_035, Version 5.3 (#901022A1.11048)	CETIA Unigraph 6000 (under Unigraph/X 3.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_046, Version 5.3 (BASE #901022A1.11043)	Sony NEWS series 1250, 15xx, 17xx, 18xx & 19xx (under NEWS-OS versions 3.3 & 3.4)	Any Host	*Validated by Registration Alsys AlsyCOMP_035, Version 5.3 (BASE #901022A1.11048)	Unigraph 1000/325, 2000/50, 2000/250, 2000/325, 3000/325-333, 6000/325-333, 7000/325, 8000/325 & 9000 (under Unigraph/X 3.1 & 3.1.1)	Any Host
Alsys AlsyCOMP_004, Version 5.3 (#901022A1.11044)	Apollo DN4000 (under Domain/OS SR10.2)	Same as Host	*Validated by Registration Alsys AlsyCOMP_035 Version 5.5.1 (BASE #901022A1.11048)	CETIA Unigraph models 1000/325; 2000/50, /250 /325; 3000/325-333; 6000/325-333; 7000/325/ 8000/325; & 9000 (under Unigraph/X 3.2c.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_004, Version 5.3 (BASE #901022A1.11044)	Apollo DN3000, DN3500, DN4000 & DN4500 (under Domain/OS SR10.2 & SR10.3)	Any Host	Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11055)	Compaq Deskpro 386 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
*Validated by Registration					

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_016 Version 5.1.1 (BASE #901102W1.11055)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS/DOS 5.0 & Phar Lap 4.0)	Any Host
*Validated by Registration Alsys AlsyCOMP_085, V5.1.3 (BASE #901102W1.11055)	Any computer that executes the Intel 80386, 80486, or Pentium instruction set (under MS-DOS 6.20 & Phar Lap TNT 6.1, with MS-Windows 3.1)	Same as Host
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11056)	CompuAdd 320 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
*Validated by Registration Alsys AlsyCOMP_016, Version 5.1 (BASE #901102W1.11056)	HP Vectra RS/20, RS/20C, RS/25 & RS/25C; AST Premium 386; and Unisys 386 & Desktop III (under MS-DOS 3.30, Phar Lap 2.0)	Any Host
*Validated by Registration Alsys AlsyCOMP_016 Version 5.1 (BASE #901102W1.11056)	Any Computer System Comprising: cpu: Intel 80386; fpu: optional; memory: 5 MByte RAM; disk: 10 MByte (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11057)	ALR Power Versa 486 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11058)	HP Vectra RS/25C (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.1105B)	Unisys Desktop III (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003 Version 5.1 (BASE #901102W1.11058)	Any Computer System that executes the Intel 80286, 80386, or 80486 instruction set (under MS/DOS 5.0)	Any Host
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11059)	Zenith Z-248 Model 50 (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11059)	ICS SB286SC/12 (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003 Version 5.1 (BASE #901102W1.11059)	HP Vectra ES/12; and IBM PC/AT (all models) (under MS-DOS 3.30)	Any Host
Alsys AlsyCOMP_037, Version 5.2 (#901114N1.11065)	INMOS T800 transputer on a B405 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS lserver V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS lserver 1.3 for file-server support via an INMOS B008 board link
*Validated by Registration Alsys AlsyCOMP_037, V5.3 (BASE #901114N1.11065)	INMOS T800 transputer on a B403 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS lserver V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS lserver 1.3 for file-server support via an INMOS B008 board link; INMOS T425 transputer on a B403 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS lserver 1.3 for file-server support via an INMOS B008 board link
*Validated by Registration Alsys Alsycomp_037 Version 5.4.2 (BASE #901114N1.11065)	INMOS T800 transputer on a B405 TRAM board (bare), with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS lserver V1.42h)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS lserver V1.42h for file-server support via an INMOS B008 board link and INMOS T425 transputer on a B403 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS lserver V1.42h for file-server support via an INMOS B008 board link
Alsys AlsyCOMP_012, Version 5.3 (#901116A1.11066)	HP 9000s350 (under HP-UX 6.5)	Motorola MVME101 (68000) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300, Models 340, 345, 360, 370 & 375 (under HP-UX 6.5 & 7.0)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68B81) & MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300 (all models) (under HP-UX 6.5 & 7.0)	Motorola M68332EVS Evaluation System Customers (CPU32) (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_012 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 400 (all models) (under HP-UX 8.0)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME 131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
*Validated by Registration Alsys AlsyCOMP_048 Version 5.5.1 (BASE #901116A1.11066)	Sun SPARCstation & SPARCserver computer families; SPARCcenter 2000 (under SunOS 4.1.2); Solbourne Series 5/100, /530, /600, /670, /800, 5E/900; & S4000 (under OS/MP 4.1A.1)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_063 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 700 (all models) (under HP-UX 9.0)	Motorola MVME101, MVME121, M68332EVS, MVME131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000-, 68010-, 68020-, 68030-, & 68040-based single-board computers) (bare machines, using ARTK 5.5.1)	Alsys AlsyCOMP_017, Version 5.2 (#901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link
*Validated by Registration Alsys AlsyCOMP_048, V5.5.2 (BASE #901116A1.11066)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers; and SPARCcenter 2000 (under SunOS 4.1.2)	Motorola MVME10, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, & MEN A4 (68332) (bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys AlsyCOMP_017, V5.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link; INMOS T800 transputer on a B405 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link
*Validated by Registration Alsys AlsysCOMP_063, V5.5.2 (BASE #901116A1.11066)	Hewlett-Packard HP 9000 Series 700 (under HP-UX 9.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, MEN A4 (68332) (bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys Alsycomp_017 Version 5.4.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare), using the Host running INMOS Iserver V1.42i for file-server support via a CAPLIN QT0 board link and INMOS T800 transputer on a B405 TRAM (bare), using the Host running INMOS Iserver V1.42i for file-server support via a CAPLIN QT0 board link
*Validated by Registration Alsys AlsyCOMP_79, V5.5.2 (BASE #901116A1.11066)	IBM RS/6000 models M20, 220/22S/22W, 230/23S/23W, 34H, 355, 360, 365, 370, 375/37T, 55L, 570, 580, 58H, 590, 97B, 98B, & 990; CETIA models SBW 225, 2225, 2230, 334H, 3355, 3360, 3365, 3370, 3375, 5580, 558H, 5590, & 9990 (under AIX Version 3.2)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, & MEN A4 (68332) (bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys VAX/VMS to INMOS T800 Ada BSMART cross compiler, V5.4.8 (BASE #901118N1.11064)	VAXstation 4000 Model 60 (under VMS 5.5-2)	INMOS T800 transputer implemented on a B417 TRAM (bare), using the Host running INMOS Iserver 1.5 for file-server support via an INMOS B300 TCPlink
Alsys AlsyCOMP_036, Version 5.3 (#901116A1.11067)	Apollo DN 4000 (under Domain/OS SR10.2)	Motorola MVME147-1 (68030/68882)(bare machine, using ARTK Version 5.3)	Alsys AlsyCOMP_018 Version 5.2 (#901120A1.11070)	MicroVAX 3100 (under VMS 5.3)	Same as Host
*Validated by Registration Alsys AlsyCOMP_036, Version 5.3 (BASE #901116A1.11067)	Apollo DN 3000, 3500, 4000 & 4500 (under Domain/OS SR10.2 & SR10.3)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)	*Validated by Registration Alsys AlsyCOMP_018, Version 5.2 (BASE #901120A1.11070)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2 & 5.4)	Any Host
*Validated by Registration Alsys AlsyCOMP_036 Version 5.5.1 (BASE #901116A1.11067)	HP 9000 Series 400 (all models) (under DomainOS SR 10.4)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	Alsys AlsyCOMP_006, Version 5.3 (#901125N1.11071)	IBM 9370 Model 90 (under VM/IS CMS release 5.1)	Same as Host
Alsys AlsyCOMP_015, Version 5.3 (#901116A1.11068)	Sun 3/260 (under SunOS 3.2)	Motorola MVME121 (68010) (bare machine, using ARTK Version 5.3)	Alsys AlsyCOMP_023, Version 5.3 (#901125N1.11072)	IBM 370 3084Q (under MVS/XA release 3.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_015, Version 5.3 (BASE #901116A1.11068)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)	Alsys AlsyCOMP_011, Version 5.3 (#901127A1.11069)	VAX 6210 (under VMS 5.2)	Motorola MVME135-1 (68020/68881)(bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_015 Version 5.5.1 (BASE #901116A1.11068)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Motorola MVME131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	*Validated by Registration Alsys AlsyCOMP_011, Version 5.3 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2, 5.3 & 5.4)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_011 Version 5.3.1 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.2, 5.3, & 5.4, as supported)	Motorola MVME101 (68000), MVME121 (68010), MVME133XT & MVME135-1 (68020), & MVME147-1 (68030) (bare machines, using ARTK 5.3.1)
*Validated by Registration Alsys AlsyCOMP_028 Version 5.3 (BASE #901127A1.11069)	Compaq Deskpro 386/20 (under DOS 3.31 & 5.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135-1, MVME147-1, M68332EVS(68000, 68010, 68020, & 68030 cpu.s) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_011 Version 5.5.1 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 computer series (under VMS 5.4)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
*Validated by Registration Alsys TeleGen2 Ada Host Development System for SPARCsystems, Version 2a (BASE #901128W1.11090)	Sun-4/690 (under SunOS release 5.3)	Same as Host
Alsys AlsyCOMP_034, Version 5.1 (#901221W1.11103)	Multitech 1100 (under SCO Unix 3.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Everex AGI 3000D, Compaq Deskpro 386 & SAI Technologies Army Lightweight Computer Unit (LCU V2) (under Interactive Unix 3.2)	Each Host, self-targetted
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Prime MBX (under Prime Unix V.4)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System comprising: cpu: Intel 80386 or 80486; fpu: optional (under a Unix 3.2-based OS)	Each Host, self-targetted
*Validated by Registration Alsys AlsyCOMP_034 Version 5.1 (BASE #901221W1.11103)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under SCO Open Desktop 1.1 & SCO Unix 3.2, SCO Open Desktop 2.0 & SCO Unix 3.2.4, Interactive Unix 3.2.2, and AT&T Unix System V Release 4.0)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1.2 (BASE #901221W1.11103)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2.4 running SecureWareCMW + Version 2.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034 Version 5.5 (BASE #901221W1.11103)	Any computer system that executes the Intel 80386 or i486 instruction set (under SCO Open Desktop 2.0 with SCO Unix version 3.2.4, Interactive Unix 3.2.2, or AT&T Unix System V Release 4.0)	Any Host (same OS as Host)
*Validated by Registration Alsys AlsyCOMP_034 Version 5.1.2 (BASE #901221W1.11103)	SAIC LCU V2 (under SCO Open Desktop 2.0 (SCO Unix 3.2.4))	Same as Host
Alsys AlsyCOMP_043, Version 5.3 (#901221W1.11104)	Apple Macintosh IIcx (under Macintosh System Software 6.0.5)	Same as Host
Alsys AlsyCOMP_034 Version 5.1 (#910129W1.11113)	IBM PS/2 Model 80 (under LynxOS Version 2.0 + Threads Release 11)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #910129W1.11113)	IBM PS/2 Models 70-xxx & 80-xxx (under LynxOS Version 2.0 Release 15)	Any Host
*Validated by Registration Alsys AlsyCOMP_070 Version 5.5.3 (BASE #910129W1.11113)	Any computer system that executes the Intel 80386 or i486 instruction set (under LynxOS, Version 2.1)	Same as Host
*Validated by Registration Alsys AlsyComp_034 Version 5.5.6 (BASE #910129W1.11113)	IBM PS/2 Model 80 series (under LynxOS v2.2)	Same as Host
Alsys AlsyCOMP_056, Version 1.82 (#910131I1.11127)	Sun 3/60 (under SunOS, Version 4.0.3)	KWS EB68020 (under OS-9/68020, Version 2.3)
Alsys AlsyCOMP_055, Version 1.82 (#910201I1.11128)	VAX 8530 (under VMS, Version 5.3-1)	KWS E868020 (under OS-9/68020, Version 2.3)
Alsys AlsyCOMP_029, Version 5.3 (#910323W1.11131)	CompuAdd 325 (under DOS 3.31)	Intel iS8C 386/116 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_029, Version 5.3.1 (BASE #910323W1.11131)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS-DOS version 5.0 & Phar Lap version 4.0)	Any 80486 single board computer (bare machine, using ARTK 5.3)
Alsys AlsyCOMP_030, Version 5.3 (#910323W1.11132)	MicroVAX II (under VMS 5.2)	Intel iSBC 386/31 (bare machine, using ARTK 5.3)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_030, Version 5.3.1 (BASE #910323W1.11132)	MicroVAX II (under VMS 5.2)	Any 80386 single board computer (bare machine, using ARTK 5.3)	*Validated by Registration Alsys AlsyCOMP_057, Version 1.83-01 (BASE #910625II.11193)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0 & 4.2)	Any Host
*Validated by Registration Alsys AlsyCOMP_029 Version 5.3.1 (BASE #910323W1.11132)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS-DOS 5.0 or higher version, and PharLap v4.0)	Any Intel486 DX2 single board computer (bare machine, using ARTK 5.3)	*Validated by Registration Alsys TeleGen2 Ada Host Development System for MacII Systems, Version 4.1 (BASE #910721II.11194)	Macintosh IIx & IIfx (under A/UX 3.0 Secure)	Same as Host
*Validated by Registration Alsys AlsyCOMP_030 Version 5.3.1 (BASE #910323W1.11132)	MicroVAX II (under VMS 5.2)	Any Intel486 DX2 single board computer (bare machine, using ARTK 5.3)	Alsys AlsyCOMP_024, Version 5.3 (#910809W1.11195)	IBM RISC System 6000, model 520 (under AIX v3.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_052 Version 5.3.1 (BASE #910323W1.11132)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.1)	Any Intel486 DX2 single board computer (bare machine, using ARTK 5.3)	*Validated by Registration Alsys AlsyCOMP_024 V5.4 (BASE #910809W1.11195)	IBM RISC System 6000 (all models) (under AIX 3.2)	Any Host
Alsys AlsyCOMP_033, Version 5.3 (#910323W1.11133)	Sun 3/140 (under SunOS 4.1)	Intel iSBC 386/12 (bare machine, using ARTK 5.3)	Alsys AlsyCOMP_058, Version 5.3 (#910809W1.11196)	Unisys B39 (under BTOS II, v3.2.0)	Same as Host
*Validated by Registration Alsys AlsyCOMP_052, Version 5.3.1 (BASE #910323W1.11133)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Intel iSBC 386/31, iSBC 386/1xx, iSBC 486/1xx (bare machines, using ARTK 5.3)	Alsys AlsyCOMP_040, Version 5.3 (#910809W1.11197)	HP Vectra RS/25C (under DOS 3.30)	Unisys B39 (under BTOS II, v3.2.0)
*Validated by Registration Alsys AlsyComp_084 Version 5.5.1 (BASE #910323W1.11133)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1)	Intel iSBC 386/31, iSBC 386/1xx, & iSBC 486/1xx (bare machines, using ARTK 5.3)	Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11227)	HP 9000 Series 700 Model 720 (under HP-UX, Version A.BB.05 (release 8.05))	Same as Host
Alsys AlsyCOMP_049, Version 1.83 (#910407II.11144)	VAX 8530 (under VMS Version 5.3-1)	Integrated Device Technology IDT7RS301 System (R3000/R3010)(bare machine)	*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version A.BB.05 (release B.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release B.00))	HP 9000 Series 700, all models (under HP-UX, Version A.BB.05 (release B.05))
*Validated by Registration Alsys AlsyCOMP_049, Version 1.83-01 (BASE #910407II.11144)	VAX 8530 (under VMS 5.3-1)	Lockheed Sanders STAR MVP (R3000/R3010)(bare machine)	*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.01); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.01)
*Validated by Registration Alsys AlsyCOMP_049, Version 1.84 (BASE #910407II.11144)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.3 & 5.4)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)	*Validated by Registration Alsys AlsyCOMP_076, Version 5.5.2 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.1)	HP 9000/742RT VME board (under HP-RT, Version 1.1)
Alsys AlsyCOMP_057, Version 1.83 (#910625II.11193)	DECstation 3100 (under ULTRIX Version 4.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.2 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.01); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.01)
*Validated by Registration Alsys AlsyCOMP_072 Version 5.5.2 (BASE #911119A1.11231)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.3)	Any Host	Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11228)	HP 9000 Series 800 Model 835 (under HP-UX, Version A.BB.00 (release 8.00))	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.88.00 (release 8.00))	HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	*Validated by Registration Alsys AlsyCOMP_061, Version 1.84-01 (BASE #92042911.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010), Integrated Device Technology IDT7RS385board (R3081E) (bare machines)
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 800 Models 807, 817, 847, & 867 (under HP-UX B-Level Security Operating System, Version A.08.08)	Any Host	Alsys AlsyCOMP_069, Version 1.83 (#92073011.11262)	Control Data 4336 (under TC/IX 1.0.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.01); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)	*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #92073011.11262)	Control Data 4000 series of computers (under TC/IX 1.0.2 & 1.1)	Any Host
*Validated by Registration Alsys AlsysCOMP_062 Version 5.5.2 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.01); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)	*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #92073011.11262)	Control Data 4000 series of computers (under TC/IX 1.2)	Any Host
Alsys AlsyCOMP_072 Version 5.37 (#911119A1.11231)	Sun SPARCstation 2 (under SunOS 4.1.1)	Same as Host	*Validated by Registration Alsys TeleGen2Ada Cross Development System for SUN-4 to eMIPS, Version 2a (BASE #92102911.11295)	Sun-4/690 (under SunOS 5.3)	Algorithmics p-4000i (R4000) (bare machine)
*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Sun SPARCstation ELC, IPC & IPX; SPARCserver 330, 370, 390, 470, 490, 630MP, 670MP & 690MP (under SunOS 4.1.1)	Any Host	Alsys AlsyCOMP_062 Version 5.35 (#921118N1.11298)	HP 9000 Series 800 Model 827 (under HP-UX Version 8.02)	Same as Host
*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800 & 5E/900; and S4000 (under OS/MP 4.1)	Any Host	Alsys AlysCOMP_073, Version 5.3 (#921126N1.11300)	IBM ES/9000 Model 610 (under AIX/ESA Version 2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	SPARCstation ELC, IPC, & IPX; SPARCserver 330, 370, 390, 490, 690MP, 670MP, & 690MP (under SunOS 4.1.1)	Any Host	Alsys AlsyCOMP_019 Version 5.3.1 (#921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Intel iSBC 186/100 (bare machine)
*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800, & 5E/900; & S4000 (under OS/MP 4.1)	Any Host	*Validated by Registration Alsys AlsyCOMP_065, Version 5.3 (BASE #921210W1.11302)	Sun Microsystems Sun-4, SPARCserver, and SPARCstation computer families (under SunOS 4.1)	Any Intel 8086, 80186, or 80286 single-board computer (bare machine, running ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer series (all models) (under Solaris 2.1)	Any Host	*Validated by Registration Alsys AlsyCOMP_019 Version 5.3.1 (BASE #921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Any 80C186EB- & 80C188EB-based single-board computers (bare machines)
Alsys AlsyCOMP_061, Version 1.83 (#92042911.11251)	DECstation 3100 (under ULTRIX Version 4.2)	Lockheed Sanders STAR MVP board (R3000/3010)(bare machine)	Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11305)	HP 9000 Series 800 Model 807 (under HP-UX BLS Version A.08.08)	Same as Host
*Validated by Registration Alsys AlsyCOMP_061, Version 1.84 (BASE #92042911.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)	Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11306)	HP 9000 Series 800 Model 817 (under HP-UX BLS Version A.08.08)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11307)	HP 9000 Series 800 Model 847 (under HP-UX BLS Version A.08.08)	Same as Host	Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS, Version VC1.82-02 (#911118I1.11236)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	VAX 8350 (under VMS Version 5.4-1)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11308)	HP 9000 Series 800 Model 867 (under HP-UX BLS Version A.08.08)	Same as Host	Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS to MC68020, Version VCM1.82-02 (#92030611.11248)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	Motorola MVME133XT (MC6802 (bare machine)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 700/800, Version 5.35 (#930115S1.11309)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2 running SecureWareCMW + Version 2.2 w/MaxSix)	Same as Host	Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS to MC68020, Version S3CM1.82 (#92072811.11261)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5E)	Motorola MVME133XT (MC6802 (bare machine)
Alsys AlsyCOMP_068, Version 1.83 (#930125I1.11310)	Control Data 4680 (under EP/IX 1.4.3)	Same as Host	ATLAS ELEKTRONIK GmbH ATLAS ELEKTRONIK Ada Compiler VVME 1.82 (#910324I1.11136)	VAX 6000-410 (under VMS Version 5.2)	ATLAS ELEKTRONIK GmbH MPR 2300 (under MOS 2300, Version 2.1)
Alsys AlsyCOMP_032, 5.5 (#931208W1.11333)	CompuAdd 433 (under IBM OS/2, Version 2.1 + Threads)	Same as Host	Concurrent Computer Corporation C3Ada, Version 0.5 (#90042711.11008)	Concurrent Computer Corporation 8400 (MIPS R3000/3010)(under RTU Version 5.1)	Same as Host
Alsys AlsyCOMP_083, 5.5 (#931208W1.11334)	CompuAdd 466 (under Windows NT, Version 3.1 + Threads)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3Ada, Version 0.5 (BASE #90042711.11008)	Concurrent Computer Corporation 8500 (MIPS R3000/R3010)(under RTU Version 5.1)	Same as Host
Alsys AlsysCOMP_17 Version 5.4.10 (#940826N1.11375)	VAXstation 4000 Model 60 (under VMS 5.5-2)	INMOS T9000 transputer Gamma D02 on an INMOS VME TestBoard (bare machine)	*Validated by Registration Concurrent Computer Corporation C3 Ada Versions 2.0bV4 & 2.0bV4c (BASE #901130W1.1110)	Concurrent Computer Corporation Series 7000 (MC68040) (under RTU Version 6.1A)	Any Host
*Validated by Registration Alsys (formerly TeleSoft) TeleGen2 Ada Cross Development System for Sun-4 to 68k, Version 4.1aS (or V1A_S) (BASE #92121811.11304)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.1)	DY 4 Systems SVME-122 (bare machine, using TeleAda-Exec)	Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11107)	Concurrent Computer Corporation 6650 with Super Lightning Floating Point (under RTU Version 5.0C)	Same as Host
*Validated by Registration Alsys (formerly TeleSoft) TeleGen2 Ada Cross Development System for Sun-4 to 68k, Version 4.1aS (or V1A_S) (BASE #92121811.11304)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.1)	DY 4 Systems SVME-122 (bare machine, using TeleAda-Exec)	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 with Super Lightning Floating Point, and Series 5000 with Lightning Floating Point (all models) (under RTU Version 5.0A, 5.0B & 5.0C)	Any Host
Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS, Version S3C1.82-02 (#91101611.11233)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5D)	Sun-3/60 (under SunOS Version 4.0.3)	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 (MC68030, with Super Lightning Floating Point) & Series 5000 (MC68020, with Lightning Floating Point) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Concurrent Computer Corporation C3 Ada Version R03-00V (#901130W1.11108)	Concurrent Computer Corporation 3280MPS (under OS/32 Version R08-03.2)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 (MC68030/MC68882)& Series 5000 (MC68020/MC68881) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version R03-00V (BASE #901130W1.11108)	Concurrent Computer Corporation Series 3200: 3200 MPS, 3203, 3205, 3210, 3220, 3230, 3250, 3230XP, 3250XP, 3230MPS, 3260MPS, Micro4, and Micro5 (under OS/32 Versions R08-03, R08-03.1 & R08-03.2)	Any Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.2 & 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040) (under RTU Version 6.1)	Any Host
*Validated by Registration Concurrent Computer Corporation C3Ada Version R03-00 (BASE #901130W1.11108)	Concurrent Computer Corporation System Bus Processor family of computers (under Trusted OS/32 and MTM Version R08-03.3S, and OS/32 Versions R08-03.2, R09-01.1OS/32,& R09-02)	Any Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040) (under RTU Version 6.1)	Any Host
Concurrent Computer Corporation C3 Ada Version 1.0v (#901130W1.11109)	Concurrent Computer Corporation 8400 (MIPS R3000/3010)(under RTU Version 5.1)	Same as Host	Control Data Systems, Inc. NOS/VE Ada, Version 1.4 (#931217S1.11336)	CYBER 180-930-31 (under NOS/VE, Level 826)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0v (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (all models) (under RTU Versions 5.1, 5.1A & 5.1B)	Any Host	CONVEX Computer Corporation CONVEX Ada, Version 2.0 (#900910W1.11027)	CONVEX C220 (under ConvexOS 8.1)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0 (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010)(under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host	*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.0 (BASE #900910W1.11027)	CONVEX C120, C201, C202, C210, C220, C230, C240, C210i, C220i & C230i (under ConvexOS, Versions 8.1 and 9.0)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0p (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (R3000/3010),all models (under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host	*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.0 (BASE #900910W1.11027)	CONVEX C120, C201, C202, C210, C210i, C220, C220i, C230, C230i, C240, C3210, C3220, C3230, C3240, C3410, C3420, C3430, C3440, C3450, C3460, C3470, C3480, C3810, C3820, C3830, C3B40, C3B50, C3860, C3870, C3BB0 (under ConvexOS versions 8.1, 9.0, 9.1 & 10.0)	Each Host, self-targetted
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010)(under RTU Version 6.0)	Any Host	*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.1 (BASE #900910W1.11027)	CONVEX C120, and C2xx, C32xx, C34xx, & C38xx computer series (under ConvexOS, Versions 8.1, 9.0, 9.1, 10.0, & 10.1; and ConvexOS/Secure Versions 9.5 & 10.0)	Same as Host
Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11110)	Concurrent Computer Corporation 6650 with MC68882 Floating Point (under RTU Version 5.0C)	Same as Host	*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11116)	CRAY X-MP/EA & X-MP (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 with an MC68882 fpu, and Series 5000 with an MC68881 fpu (all models) (under RTU Versions 5.0A, 5.0B & 5.0C)	Any Host	*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11117)	CRAY Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #911006W1.11223)	CRAY CRAY-2/4-128 (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #911006W1.11223)	CRAY-2/4-128 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11116)	Cray X-MP/EA (under UNICOS Release 5.0)	Same as Host	DDC International A/S DACS VAX/VMS Native Ada Compiler System, Version 4.6 (#901129S1.11050)	VAX 8530 (under VMS Version 5.3)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11116)	CRAY X-MP & X-MP/EA, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted	DDC International A/S DACS VAX/VMS to 68020 Bare Cross Compiler System, Version 4.6 (#901129S1.11051)	MicroVAX 3100 (under VMS Version 5.3)	Motorola MVME133 board (68020/68881) (bare machine)
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11116)	X-MP/EA (all models) (under UNICOS Release 6.1)	Same as Host	DDC International A/S DACS VAX/VMS to 80386 PM Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11117)	Cray Y-MP (under UNICOS Release 5.0)	Same as Host	DDC International A/S DACS 80386 UNIX V Ada Compiler System, Version 4.6 (#901129S1.11075)	ICL DRS300 (under DRS/NX Version 3.2 (UNIX System V/386 release 3.2))	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	Cray Y-MP, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted	DDC International A/S DACS Sun3/SunOS Native Ada Compiler System, Version 4.6 (#901129S1.11076)	Sun-3/60 (under SunOS, Version 4.0_Export)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	CRAY Y-MP EL (under UNICOS Releases 6.0 & 6.1)	Same as Host	DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11077)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11117)	CRAY Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1)	Each Host, self-targeted	*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.1 (BASE #901112W1.11117)	CRAY C-90 (in Y-MP mode) (under UNICOS 7C.0)	Same as Host			
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#911006W1.11223)	CRAY-2/4-128 (under UNICOS Release 6.1)	Same as Host	*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #911006W1.11223)	CRAY-2 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iS8C 286/12 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iS8C 286/12 in Protected Mode (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 in Protected Mode (bare machine)	DDC International A/S DACS 80386 DMS/OS Ada Compiler System, Version 4.6 (#901129S1.11112)	IBM PS/2 Model 80-311 (under LynxOS 386/PS2, Version 2.0A)	Same as Host
DDC International A/S DACS VAX/VMS to 80386 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11078)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)	DDC International A/S DACS VAX/VMS to 80860 Bare Ada Cross Compiler System, Version 4.6.1 (#910502S1.11158)	VAX 8530 (under VMS Version 5.3)	Tadpole Technology plc TP 860M (bare machine)
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11079)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (BASIC_MODE) (#910502S1.11159)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882)(bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (SECURE_MODE) (#910502S1.11160)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882)(bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)	*Validated by Registration DDC-I, Inc. DACS VAX/VMS to 80486 PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 486/125 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)	DDC-I, Inc. DACS MIPS RISC/os to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-16 (#920805S1.11263)	MIPS M/120-5 (under RISC/os Version 4.50)	Lockheed Sanders STAR MVP R3000/R3010 Board (bare machine)
			DDC-I, Inc. DACS DECstation/ULTRIX to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-16 (#920805S1.11264)	DECstation 3100 (under ULTRIX Version 4.0)	Integrated Device Technology IDT7RS301 R3000/R3010 Board (bare machine)
			DDC-I, Inc. DACS Sun SPARC/SunOS Native Ada Compiler System, Version 4.6.1 (#920805S1.11265)	SPARCstation 2 (under SunOS, Version 4.1.1)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
DDC-Inter, Inc. InterACT Ada 1750A Compiler System, Release 3.5 (#910705S1.11191)	MicroVAX 3100 Cluster (under VMS 5.2)	InterACT MIL-STD-1750A Instruction Set Architecture Simulator Release 2.3 (bare machine simulation)	DDC-I, Inc. DACS Sun SPARC/SunOS to 680x0 Bare Ada Cross Compiler System (BASIC_MODE), Version 4.6.9 (#940325S1.11346)	Sun SPARCstation IPX (under SunOS, Release 4.1.1)	Lynwood ¡435TU (68030)(bare machine)
DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.0 (#910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)	DDC-I, Inc. DACS Sun SPARC/SunOS to 680x0 Bare Ada Cross Compiler System (SECURE_MODE), Version 4.6.9 (#940325S1.11347)	Sun SPARCstation IPX (under SunOS, Release 4.1.1)	Lynwood ¡435TU (68030)(bare machine)
*Validated by Registration DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.1 (BASE #910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)	DDC-I, Inc. DACS Sun SPARC/Solaris to 80386 PM Bare Ada Cross Compiler System, Version 4.6.4 (#940325S1.11348)	Sun SPARCclassic (under Solaris, Release 2.1)	Intel iSBC 386/116(bare machine)
DDC-I, Inc. DACS Sun SPARC/SunOS to 80386 PM bare Ada Cross Compiler System, Version 4.6.4 (#931119S1.11331)	Sun SPARCstation 1+ (under SunOS, Release 4.1.1)	Intel iSBC 386/116(bare machine)	DDC-I, Inc. DACS Sun SPARC/Solaris to 80386 PM Bare Ada Compiler System w/ Rate Monotonic Scheduling, 4.6.4 (#940325S1.11349)	Sun SPARCclassic (under Solaris, Release 2.1)	Intel iS8C 386/116(bare machine)
DDC-INTER, Inc. DACS MIPS R3000 bare Ada Cross Compiler System, Version 4.7.1 (#931119S1.11332)	Sun SPARCstation IPX (under SunOS, Release 4.1.3)	DACS Sun SPARC/SunOS to MIPS R3000 Bare Instruction Set Architecture Simulator, Version 4.7.1, executing on the Host (bare machine simulation)	DDC-I, Inc. DACS Sun SPARC/SunOS to Pentium PM Bare Ada Cross Compiler System, Version 4.6.4 (#940325S1.11350)	Sun SPARCstation IPX (under SunOS, Release 4.1.2)	Intel Xpress Desktop (product # XBASE6E4F-B, with Pentium cpu), operating as a bare machine (bare machine)
DDC-I, Inc. DACS Sun SPARC/SunOS to 80186 Bare Ada Cross Compiler System, Version 4.6.4 (#940325S1.11341)	Sun SPARCstation IPX (under SunOS, Release 4.1.2)	Intel iSBC 186/100(bare machine)	DDC-I, Inc. DACS Sun SPARC/SunOS to Pentium PM Bare Ada Cross Compiler System w/Rate Monotonic Scheduling, 4.6.4 (#940325S1.11351)	Sun SPARCstation IPX (under SunOS, Release 4.1.2)	Intel Xpress Desktop (product # XBASE6E4F-B, with Pentium cpu), operating as a bare machine (bare machine)
DDC-I, Inc. DACS Sun SPARC/SunOS to 80186 Bare Ada Cross Compiler System w/ Rate Monotonic Scheduling, 4.6.4 (#940325S1.11342)	Sun SPARCstation IPX (under SunOS, Release 4.1.2)	Intel iS8C 186/100(bare machine)	DDC-I, Inc. DACS Sun SPARC/Solaris to Pentium PM Bare machine) Ada Cross Compiler System, Version 4.6.4 (#940325S1.11352)	Sun SPARCclassic (under Solaris, Release 2.1)	Intel Xpress Desktop (product # XBASE6E4F-B, with Pentium cpu), operating as a bare machine (bare
DDC-I, Inc. DACS Sun SPARC/Solaris to 80186 Bare Ada Cross Compiler System, Version 4.6.4 (#940325S1.11343)	Sun SPARCclassic (under Solaris, Release 2.1)	Intel iSBC 186/100(bare machine)	DDC-I, Inc. DACS Sun SPARC/Solaris to Pentium PM Bare Ada Cross Compiler Sys. w/Rate Monotonic Scheduling, 4.6.4 (#940325S1.11353)	Sun SPARCclassic (under Solaris, Release 2.1)	Intel Xpress Desktop (product # XBASE6E4F-B, with Pentium cpu), operating as a bare machine (bare machine)
DDC-I, Inc. DACS Sun SPARC/Solaris to 80186 Bare Ada Cross Compiler System w/ Rate Monotonic Scheduling, 4.6.4 (#940325S1.11344)	Sun SPARCclassic (under Solaris, Release 2.1)	Intel iSBC 186/100(bare machine)	DDC-I, Inc. DACS Sun SPARC/Solaris Native Ada Compiler System, Version 4.6.2 (#940325S1.11354)	Sun SPARCclassic (under Solaris, Release 2.1)	Same as Host
DDC-I, Inc. DACS Sun SPARC/SunOS to 680x0 Bare Ada Cross Compiler System, Version 4.6.9 (#940325S1.11345)	Sun SPARCstation IPX (under SunOS, Release 4.1.1)	Motorola MVME143 (68030/68882)(bare machine)			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
DDC-Inter, Inc. InterACT Ada 1750A Compiler System, Release 3.5 (#910705S1.11191)	MicroVAX 3100 Cluster (under VMS 5.2)	InterACT MIL-STD-1750A Instruction Set Architecture Simulator Release 2.3 (bare machine simulation)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	DEC VAX-11, VAXserver, VAXstation, VAXft, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MilVAX Computer Model MilVAX II (under VMS Version 5.4)	VAX 4000 Models 200 & 300; VAX 6000 Series 200, 300 & 400; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXserver 4000-300; VAXserver 6000 Models 210, 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden MilVAX Computer Model MilVAX II, IVAX 620 & 630; VAX RTA; KA620-BA & KA800-M; rtVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 4000 Model 300, 8550, 8700, rtVAX 6000 Models 200, 300 & 400 Series and rtVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.2, using VAXELN Ada Version 2.2)
DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.0 (#910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010 Board (bare machine)			
*Validated by Registration DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.1 (BASE #910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010 Board (bare machine)			
*Validated by Registration DECS Ltd. VME Ada Compiler VA3.25 (BASE #921008N1.11293)	ICL Series 39 Level 80 (all models) (under VME with VMEB Environment Option Version SV293)	ICL Series 39 Level 80 & Series 39 SX Processor families (under VME with VMEB Environment Option Version SV293)			
			*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842, 8974 & 8978; VAX-11/730, /750, /780, /785; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation II, 2000, 3100 series, 3200, 3500, 3520, 3540 & 8000; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000-310, 6000-410 & 6000-420; Ratheon Military VAX Computer Model 860 (under VMS Version 5.4)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000 Models 210 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden Systems: Mil Vax II, IVAX 620 & 630; VAX RTA; KA620-BA, rtVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 8550, 8700, rtVAX 6000 Model 200, 300 & 400 Series & rtVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.1 using VAXELN Ada Version 2.2)
*Validated by Registration DESC Ltd VME Ada Compiler VA3.25 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host			
*Validated by Registration DESC Ltd. VME Ada Compiler VA3.20 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host			
Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11053)	VAX 8800 (under VMS Version 5.4)	Same as Host			
			*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11054)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	VAX 4000, 6000, & 9000 series of computers; MicroVAX II, 2000, & 3000 series of computers; VAXstation II, 2000, 3000, & 4000 series of computers; VAXserver 3000, 4000, & 6000 series of computers; IVAX 620 & 630; KA620-BA, KA800-M, & KAV30 VME SBC; rtVAX 300, 1000, 3000, 4000, 6000, & 9000 series of computers; rtVAXstation 3100 series of computers; (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)
*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11053)	DEC VAX-11, VAXserver, VAXstation, VAXft, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MilVAX Computer Model MilVAX II (under VMS Version 5.4)	Any Host			
*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11053)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	Any Host			
			Digital Equipment Corporation DEC Ada, Version 1.0 (#911025S1.11226)	DECstation 5000 Model 200 (under ULTRIX 4.2)	Same as Host
Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11054)	VAX 8800 (under VMS Version 5.4)	MicroVAX II (under VAXELN Version 4.1, using VAXELN Ada Version 2.2)			
			*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)	DECstation 2100, 3100, 3100s, 5000 Models 120/125, 120/125CX, 120/125PXG, 120/125PXGTURBO, 200, 200CX, 200PX, 200PXG, 200PXG TURBO; and DECsystem 3100, 5000 Model 200, 5100, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX Versions 4.0, 4.1 & 4.2)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)	DEC DECstation 2100, 3100, & 5000, and DECsystem 5000, 5100, 5400, 5500, 5800, & 5900 series of computers (under ULTRIX Versions 4.0, 4.1, 4.2, & 4.2A)	Any Host	Digital Equipment Corporation DEC Ada for DEC OSF/1 AXP Systems, Version 3.1 (#931029S1.11330)	DEC 3000 Model 400 (under DEC OSF/1, Version 1.3)	Same as Host
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.1 (BASE #911025S1.11226)	DECstation 2100, 3100, & 5000; and DECsystem 3100, 5000, 5100, 5400, 5500, 5810, 5820, 5840, & 5900 series of computers (under Ultrix Version 4.2)	Any Host	*Validated by Registration Digital Equipment Corporation DEC Ada for DEC OSF/1 AXP Systems, Version 3.1 (BASE #931029S1.11330)	DEC 2000 Server, 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under DEC OSF/1 Version 1.3)	Any Host
Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (#930319S1.11315)	DEC 3000 Model 400 (under OpenVMS AXP Operating System, Version 1.0)	Same as Host	*Validated by Registration Dowty Maritime Limited TeleGen2 Ada Cross Development System, Version 3.2 for VAX/VMS to 386 (BASE #910325I1.11139)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAXft; and VAX 4000, 6000, 7000, 8000, 9000, & 10000 series of computers (under VMS 5.5-2)	All members of the Intel iS8C 386 & iS8C 486 model series (bare machines, using TeleAda-EXEC 3.2)
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (BASE #930319S1.11315)	DEC 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under OpenVMS Version 1.0)	Any Host	E-Systems/ECI Division Tolerant Ada Development System, Version 6.0 (#901003W1.11039)	Tolerant Eternity (under TX, 5.4.0)	Same as Host
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0A-7 (BASE #930319S1.11315)	DEC 2000 Server, 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (as supported) (under OpenVMS AXP Operation System Version 1.5)	Any Host	*Validated by Registration EDS Defence Limited XD Ada MC68020 Version 1.3-10 (BASE #901007N1.11042)	MicroVAX 3100 (under VMS 6.0)	Motorola MVME133XT board (68020/68882)
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11316)	VAXstation 4000 Model 60 (under VMS Version 5.5)	Same as Host	*Validated by Registration EDS Defence Limited XD Ada CPU32 Version 1.3-13 (BASE #901007N1.11042)	MicroVAX 3100 (under VMS 6.0)	Motorla M68340EVS Evaluation System (MC68340) CPU32, with 128K additional RAM & MC68881 fpu (bare machine)
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11316)	VAXft, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	Any Host	*Validated by Registration EDS Defence Limited XD Ada MC68000 V1.3-12 (BASE #910314N1.11134)	MicroVAX 3100 (under VMS 6.0)	Motorola MC68000 on an MVME117-3FP MPU VME module using an MC68881 fpu (bare machine)
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0A-9 (BASE #930319S1.11316)	VAXft, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000; and VAX-11 series of computers (as supported) (under OpenVMS VAX Operating System Version 5.5)	Any Host	*Validated by Registration EDS Defence Limited XD Ada MC68040 V1.3-37 (BASE #911128N1.11230)	MicroVAX 3100 (under VMS 6.0)	Motorola MVME167 MPU VMEmodule (68040) (bare machine)
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11317)	VAXstation 4000 Model 60 (under VMS Version 5.5)	VAXstation 3100 Model 48 (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)	*Validated by Registration EDS Defence Ltd. XD Ada MC68020/EFA Version 1.3-28 (BASE #901007N1.11042)	MicroVAX 3100 (under VMS 6.0)	Motorola MVME135-1 board (68020/68881)(bare machine)
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11317)	VAXft, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	VAX 4000, 6000, & 9000; MicroVAX II, 2000, 3000; KA620-8A, KAV30 VME S8C KA800-M; rtVAX 300, 1000, 3000, 4000, 6000, 9000, & rtVAXstation 3100; IVAX 620 & 630; VAXstation II, 2000, 3000, & 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)	*Validated by Registration EDS Defense Limited XD Ada MC68000/EFA V1.3-27 (BASE #910314N1.11134)	MicroVAX 3100 (under VMS 6.0)	Motorola MC68000 on an MVME117-3FP MPU VME module using an MC68881 fpu (bare machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
EDS-Scicon Defence Limited XD Ada MC68040/ARTX Version 1.2 (#921112N1.11297)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore Infinity R/T series, all models (under UMAX 3.0.X)	Any Host
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11114)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Same as Host	Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11115)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Encore 91 Series Model 91-0430 (under uMPX 1.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11114)	Encore 91, 93, & 94 Series, all models (under UMAX 3.0)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0 & microARTE 1.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under ARTE Target Runtime 2.0.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UNMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11115)	Encore Infinity R/T series, all models (under UMAX 3.0.X)	Any Host machine (under ARTE 2.0.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Green Hills Software, Inc. Green Hills Optimizing Ada Compiler, 1.8.7 (BASE #940223W1.11338)	SPARCstation 10 (under SunOS, Release 4.1.3)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Green Hills Software, Inc. Green Hills Optimizing Ada Compiler, 1.8.7 (8ASE #940223W1.11338)	SPARCstation 10 (under SunOS, Release 4.1.3)	Force CPU-40 (68040) (bare machine using VxWorks, 5.1)	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, Version 5.1 (8ASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host
Green Valley Software C_Ada, Version 1.1 (#930927S1.11328)	ZENY 386 (under UNIX System V/386, Release 3.2)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (8ASE #900918W1.11028)	Harris NH-4400 & NH-4800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11180)	MIPS M/120 RISComputer (under UMIPS 4.51)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (8ASE #900918W1.11028)	NH-4400 & NH-4800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11182)	I8M RISC System 6000/520 (under AIX Version 3)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (8ASE #900918W1.11028)	NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11184)	HP 9000 Series 400 Model 400T (under HP-UX 7.03)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada version 5.2 (8ASE #900918W1.11028)	Harris NH-4400, -4800, & -5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Harris NH-4400, NH-4800, & NH-5800 (Harris Ada runtime System & ARMS Runtime System)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11186)	Concurrent Computer Corporation M6000 Model 6450 (under RTU 5.0C)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, version 6.2 (8ASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2 & CX/RT 6.2) ,	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11187)	Concurrent Computer Corporation M8000 Model 8500 (under RTU 5.1A)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, version 7.1 (8ASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 7.1 & CX/RT 7.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11188)	Data General AViiON 400 Model 402 (under DG/UX 4.31)	Same as Host	Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11029)	Harris NH-3800 (under CX/UX 5.1)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11190)	HP 9000 Series 700 Model 720 (under HP-UX 8.01)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (8ASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host
*Validated by Registration Harris Corporation Harris Ada Compiler, version 6.2 (8ASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 6.1, CX/RT 6.1, CX/SX 6.1, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)			
Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11028)	Harris NH-4400 (under CX/UX 5.1)	Same as Host			
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (8ASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host			

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, Version 5.1 (BASE #900918W1.11029)	NH-1200, NH-3400 & NH-3800 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host	*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 2.2 (BASE #901127W1.11085)	RISC System/6000 models 7013-320,-520, -530, -540, -550, -730, & -930 (under AIX 3.1 & 3.2)	Any Host, running same AIX version as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host	IBM Canada, Ltd. AIX Ada/6000 Internal Development Version (#920121W1.11234)	RISC System/6000 model 7012-320 (under AIX 3.2)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400, & NH-3800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host	*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 3.0 (BASE #920121W1.11234)	RISC System/6000, all models (under AIX 3.2)	Any Host
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0m (#910411W1.11137)	DN4500 (under Domain/OS SR10.3)	Same as Host	IBM Canada, Ltd. XL Ada/6000 Internal Development Version (#921119W1.11299)	RISC System/6000, model 7013-520 (under AIX 3.2)	Same as Host
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0p (#910411W1.11138)	DN10000 (under Domain/OS SR10.3.p)	Same as Host	*Validated by Registration IBM Canada, Ltd. (now OC Systems) OCS Legacy Ada/370 MVS Version 2.0 (BASE #910612W1.11169)	IBM 937x, 43xx, 308x, 3090, & ES/9000 processors (under MVS/ESA 3.1.0, 4.1.0, & 4.3.0; & MVS/SP XA 2.2)	Same as Host
Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (#901022W1.11049)	HP 9000 Series 300 Model 370 (under HP-UX, Version A.07.00)	Same as Host	Intel Corporation iPSC/860 Ada Release 6.1.0(E) Unix System V/860 Release 4 Version 3, 312425-0001 (#920513W1.11255)	Intel i860 Station (under Unix System V/860, Version 4)	Intel iPSC/860 (under Ada-NX, Release 3.3.1)
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all models (under HP-UX, Version A.B7.03)	Any Host	*Validated by Registration Intermetrics Intermetrics MVS Ada Compiler, Version B.1 (BASE #910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35t (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all Models (under HP-UX, Vers: A.B7.00 (release 7.0), -.B7.03 (release 7.3), A.B7.05 (release 7.5) & A.B8.00 (release 8.0), as supported)	Any Host from the same Series, under the same OS version	Intermetrics Inc. RISCAE TRW RH32-targeted Ada Compiler, 1.0 (#930901W1.11321)	VAXstation 4000 (under VMS 5.5)	RISCAE TRW RH32 Simulator (bare machine simulation, executing on the Host)
IBM Canada, Ltd. AIX Ada/6000 Release 2, Preliminary Version (#901127W1.11085)	RISC System/6000 model 7013-530 (under AIX 3.1)	Same as Host	Intermetrics Inc. RISCAE Honeywell RH32-targeted Ada Compiler, 1.0 (#930901W1.11322)	VAXstation 4000 (under VMS 5.5)	RISCAE Honeywell RH32 Simulator (bare machine simulation, executing on the Host)
			Intermetrics, Inc. UTS Ada Compiler, Version 302.03 (#910425W1.11141)	IBM 3083 (under UTS 580 Release 1.2.3)	Same as Host
*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 2.0 (BASE #901127W1.11085)	RISC System/6000 models 7013-320,-520, -530, -540, -550, -730 & -930 (under AIX 3.1)	Any Host	Intermetrics, Inc. Intermetrics MVS Ada Compiler, Version 7.0 (#910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11091)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host	International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11168)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/ESA Release 1.0 ESA Feature)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/SP HPO 6.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/SP HPO 6.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3084 (under VM/ESA Release 1.0 370 Feature)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/XA 2.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/XA 2.1)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/XA Release 2.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0 (370 Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (370 Feature)))
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/SP Release 6.0 HPO 60)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.0 (ESA Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (ESA Feature))
International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11092)	IBM 4381 (under MVS/XA Release 3.8)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.1)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11092)	IBM 3090 (under MVS/ESA Release 4.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, VM/CMS Ada Compiler, Version 1.4.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0(370 Feature)); IBM 3090 (under VM/ESA 1.1.0(ESA Feature), VM/ESA 1.1.1, VM/XA 2.1, & VM/SP HPO 5.0 & 6.0)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11166)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host	International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11169)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11167)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 & 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/SP XA 2.2)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under MVS/SP XA 2.2)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.1.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.1.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.2.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.2.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 4.1.0 & 4.2.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 4381 (under MVS/ESA 3.1.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370 MVS Compiler, Version 1.4.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 3.1.0, 4.1.0, & 4.2.0, & MVS/SP XA 2.2)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
International Computers Limited VME Ada Compiler VA3,00 (#911003N1.11222)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV291)	Same as Host
International Computers Limited VME Ada Compiler VA3.10 (#921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11145)	HP 9000 Model 720 (under HP-UX Release 8.01)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/800, Version 7.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/800 7.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all models (under HP-UX Versions 8.0 & 9.0, all releases; and HP-UX BLS Version 8.0, all releases)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11146)	Sun 3/50 (under SunOS V4.0)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for Sun3, Version 7.4 (BASE #910510W1.11146)	Sun Microsystems Sun-3 computer family (under SunOS 4.0 & 4.1)	Any Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11147)	HP 9000 Model 400 (under HP-UX Release 7.03)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 300/400, Version 7.4 (BASE #910510W1.11147)	HP 9000 Series 300 & 400, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11148)	VAXstation 3100 Model M38 (under VMS 5.3-1)	Intel i80960MC (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC, Version 7.4 (BASE #910510W1.11148)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.4)	Intel i960MC with or without ICE960 on an Intel EXV80960MC board; any single-board computer that uses the i960 chip; Intel i960 simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960XA, Version 7.5 (BASE #910510W1.11148)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAXrt, and VAX 4000, 6000, 7000, 8000, 9000, & 10000 series of computers (under VMS 5.4)	Intel i960XA with or without ICE960 on an Intel EXV80960XA board; any single-board computer that uses the i960XA chip; Intel i960XA simulator (executing on the Host) (bare machine)	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11033)	DECstation 3100 (under Ultrix, Version 3.0)	Same as Host
Irvine Compiler Corporation ICC Ada v7.4.0 (#92052011.11260)	VAXstation 3100 Model M3B (under VMS Version 5.3-1)	Intel i960MX in Hughes DMV running in tagged mode (bare machine, using CHKSYS kernel version 104)	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11033)	DECstation 2100, 3100 & 5000 (under Ultrix 3.0)	Any Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MX and i960MM, Version 7.4 (BASE #92052011.11260)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 Series of computers (under VMS 5.4)	Intel i960MM & i960MX on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer that uses the i960MM/MX superscalar chip; Intel i960 simulator (executing on the Host) (bare machine)	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11034)	IBM PS/2 Model 60 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11034)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set, fpu: Intel 80287, 80387, or equivalent, as appropriate, memory: 640 KByte RAM minimum, disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11034)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11034)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 802B7, 803B7, or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under I8M PC-DOS 3.30)	Any Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip and Intel i060 simulator, executing on the Host (bare machines)	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11035)	I8M PS/2 Model 30 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11031)	Sun-3/260 (under SunOS, Version 4.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11035)	Any Computer System comprising: cpu: any that executes the Intel 8086 instruction set, fpu: Intel 8087 or equivalent, as appropriate, memory: 640 KByte RAM minimum, disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11032)	Sun-4/110 (under SunOS, Version 4.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11035)	Any Computer System Comprising: Cpu: any that executes the Intel 8086 instruction set; Fpu: Intel 8087 or equivalent, as appropriate; Memory: 640 or greater K8yte RAM; Disk: 20 M8yte hard drive (under I8M PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11032)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS Versions 4.1 & 4.1.1)	Any Host			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11035)	Any Computer System Comprising: cpu: any that executes the Intel 8086 instruction set; fpu: Intel 8087 or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11037)	Any Computer System Comprising: Cpu: any that executes the Intel 80386 or 80486 instruction set; Fpu: Intel 80387 or equivalent, for 80386 cpu; Memory: 2 or greater MByte RAM; Disk: 40 MByte hard drive (under SCO Unix 3.2 or INTERACTIVE UNIX System V/386 Release 3.2)	Any Host with the same OS
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11036)	ITT XTRA/286 (with Floating-Point Co-Processor) (under MS-DOS 3.20/OS286)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11038)	Apple Macintosh II (under System 6.0.3)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11036)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set, fpu: Intel 80287, 80387, or equivalent, as appropriate, memory: 1.5 MByte RAM minimum, disk: 20 MByte hard drive, OS: MS-DOS 3.20/OS286	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11038)	Apple Macintosh SE 30 (under System 6.0.3)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (8ASE #900909W1.11036)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 1.5 or greater MByte RAM; Disk: 20 MByte hard drive (under MS-DOS 3.30/OS286)	Any Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11060)	Apple Macintosh II (under A/UX 2.0)	Same as Host
			Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11061)	Stardent Titan P3 (under Stardent/Unix 3.0)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (8ASE #900909W1.11036)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.20/OS286)	Any Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11062)	MicroVAX 3100 (under Ultrix 3.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11037)	80 Data 386/25 (under 386/ix 1.0.6)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11063)	MicroVAX II (under VMS 5.2)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Any Computer System comprising: cpu: any that executes the Intel 80386 or 80486 instruction set, fpu: optional Intel 80387 or equivalent, for 80386 cpu, memory: 2 MByte RAM minimum, disk: 40 MByte hard drive, OS: SCO Unix 3.2 or Interactive 386/ix 1.0.6	Any Host machine running the same OS	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (#911002W1.11218)	I8M PS/2 Model 80 (with Floating Point Co-Processor) (under I8M PC-DOS 3.30/OS386)	Same as Host
			*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (8ASE #911002W1.11218)	Any Computer System Comprising: cpu: any that executes the Intel 80386 or 80486 instruction set; fpu: Intel 80387 or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30/OS386)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Sequent Symmetry 2000/40, /200, /400 & /700 (under DYNIX/ptx V1.2.0)	Any Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11219)	NeXTstation (under System Release 2.0)	Same as Host
			Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860 VM (under MC/OS, Version 2.0)
			*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860VB & MC860VM (under MC/OS, Version 2.0)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860VS (under MC/OS, Version 2.VS)	MIPS Computer Systems MIPS Ada 3.0 (#900619W1.11011)	MIPS M/2000 (under RISC/os 4.50)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11221)	Sun-4/110 (under SunOS, Version 4.1)	Mercury MC860 VM (under MC/OS, Version 2.0)	*Validated by Registration Multiprocessor Toolsmith Inc. CASEWorks/RT Ada v1.1 for Sun SPARCStation (BASE #930722W1.11318)	Sun Microsystems SPARCstation series (under SunOS 4.11, 4.1.2, & 4.1.3)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11221)	Sun Microsystems Sun-4/110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation 2, IPC & IPX (under SunOS Versions 4.1 & 4.1.1) and SPARCengine 1E (under SunOS Version 4.1e)	Mercury MC860VB & MC860VM (under MC/OS, Version 2.0) and Mercury MC860VS (under MC/OS, Version 2.VS)	*Validated by Registration Multiprocessor Toolsmith Inc. CASEWorks/RT Ada v1.1 for Sun SPARCStation (BASE #930722W1.11319)	Sun Microsystems SPARCstation series (under SunOS 4.11, 4.1.2, & 4.1.3)	Any MC68020-, MC68030-, & MC68040-based single-board computer (bare machines, using Unison 3.1)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911216W1.11232)	Sequoia Series 400 (under Topix, Version 6.5)	Same as Host	Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada for the Sun SPARCStation, 1.1 (#930722W1.11318)	Sun SPARCstation 10 (under SunOS 4.1.3)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11266)	Intergraph Interpro 2400 (under CLIX System 5, Release 3.1)	Same as Host	Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada MC680x0, Version 1.1 (#930722W1.11319)	Sun SPARCstation 10 (under SunOS 4.1.3)	Motorola MVME147 (bare machine)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (BASE #920915W1.11266)	InterGraph InterPro Series C300- & C400-based models (under CLIX, System 5 Release 3.1)	Any Host	Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada i860, Version 1.1 (#930722W1.11320)	Sun SPARCstation 2 (under SunOS 4.1.1)	CSPI Supercard II (Intel 80860) with VSB daughterboard (bare machine)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11267)	Essence 836 (under DOS 5.0, running Microsoft Windows 3.0)	Same as Host	*Validated by Registration Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada v1.1 for i860 (BASE #930722W1.11320)	Sun Microsystems SPARCstation series (under SunOS 4.11, 4.1.2, & 4.1.3)	CSPI Supercard 2 with VSB daughterboard, CSPI Supercard 3 with VSB daughterboard, CSPI Supercard 3XL with VSB daughterboard, & CSPI Supercard 4 with VSB daughterboard (bare machines, using Unison/pSOS+ 3.1)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11268)	BBN TC2000 (under nX 3.0.1)	Same as Host			
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11269)	BBN TC2000 (under nX 3.0.1)	BBN TC2000 (under pSOS+/88k)	NEC Corporation NEC Ada Compiler System for EWS-UX/V (Release 4.0), Version Release 2.1 (4.6) (#910918S1.11216)	NEC EWS4800/220 (under EWS-UX/V (Release 4.0) R2.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#921202W1.11301)	HP 9000/827 (under HP-UX 8.02)	Same as Host	*Validated by Registration NEC Corporation NEC Ada Compiler System, Version R4.1 (4.6.4) (BASE #910918S1.11216)	UP4800 Series models 520, 605, 620, 625, 630, & 635 (under UP-UX/V R4.1) EWS4800 Superstation RISC Series (all EWS RISC models, only) (under EWS-UX/V(R4.0) R6.2 & EWS-UX/V(R4.2) R7.1, as supported)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11313)	Motorola VME 167-68040 (under OS/9 68K, v2.4)	Same as Host			
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11314)	Essence 486 (under MS-DOS 5.0)	ADSP-21020 (bare machine)	NEC Corporation NEC Ada Compiler System for EWS-UX/V to V70/RX-UX832, Version 1.0 (#910918S1.11217)	NEC EWS4800/60 (under EWS-UX/V R8.1)	NEC MV4000 (under RX-UX832 V1.6)
MIPS Computer Systems MIPS ASAPP 3.0 (#900619W1.11010)	MIPS M/2000 (under RISC/os 4.50)	R3200-6 CPU board (bare machine)			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832, Version 1.0 (BASE #910918S1.11217)	All RISC (MIPS R3000- & R4000-based) models of the EWS4800 series (under EWS-UX/V (4.0) R2.1)	NEC MV4000 (under RX-UX832 V1.6)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host
*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V(Rel 4.0) to V70/RX-UX832 version R4.1(V4.6.4) (BASE #910918S1.11217)	EWS4800 Superstation RISC Series (under EWS-UX/V(R4.0) R6.2)	NEC MV4000 (under RX-UX832 V1.63)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under SCO Unix 3.2)	Any Host
North China Institute of Computing Technology C_Ada, Version 1.0 (#910902N1.11198)	MicroVAX II (under ULTRIX 3.0)	Same as Host	Rational M68020/OS-2000 Cross-Development Facility, Version 7 (#901116W1.11081)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Phillips PG2100 (OS-2000 Release 2.0)
Proprietary Software Systems, Inc. PSS VAX/ZR34325 Compiler Version XB-01.000 (#92042311.11250)	VAX 8350 (under VMS Version 5.4)	PSS Zoran ZR34325 Digital Signal Processor AdaRAID Version XK-01.000 (bare machine simulation, executing on the Host)	Rational M68020/Unix Cross-Development Facility, Version 7 (#901116W1.11082)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	HP 9000 Model 370MH (under HP-UX Version 7.0)
R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (#901120W1.11088)	IBM PS/2 Model 80 (under Phar Lap/DOS 3.3)	IBM PS/2 Model 80 (under MS DOS 3.3)	Rational M68020/Bare Cross-Development Facility, Version 7 (#901116W1.11083)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Motorola MVME135 (68020) (bare machine)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)	Rational Rational Environment, D_12_24_0 (#901116W1.11084)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Same as Host
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.1 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes Intel 8086/8088 instructions; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS DOS 3.3)	Same as Host	*Validated by Registration Rational Software Corporation Meridian Ada, v4.1.4 (BASE #900909W1.11038)	Apple Macintosh II Family of computers (under System 7.1)	Any Host
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 8086/8088 instruction set; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.3)	Any Host	*Validated by Registration Rational Software Corporation VADS 386/486, VAda-110-3737, Version 6.2 (BASE #910517W1.11157)	Any Computer that executes the Intel 80486 instruction set (under Interactive UNIX System V/386 Release 3.2)	Same as Host
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 386 to DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 2 MByte RAM; disk: 40 MByte hard drive (under Phar Lap / MS-DOS 3.3)	Any Host (under MS-DOS 3.3)	Rational Software Corporation Apex 1.4.1 (#940608W1.11356)	SPARCstation 10/51 (under SunOS 4.1.3)	Same as Host
			Rational Software Corporation Apex 1.4.1 (#940608W1.11357)	SPARCstation 10/51 (under Solaris 2.3)	Same as Host
R.R. Software, Inc. Janus/Ada 2.2.0 Unix (#901129W1.11089)	Northgate 386/25 (under SCO Unix 3.2)	Same as Host	Rational Software Corporation Apex 1.4.1 (#940608W1.11358)	RS/6000 model 350 (under AIX 3.2.5)	Same as Host
			Rational Software Corporation VADSself for DEC Alpha AXP OSF/1, Product #2100-01439, Version 6.2 (#940630W1.11359)	DEC 4000 Model 610 AXP (under OSF/1, V2.0)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Rational Software Corporation VASDself for DEC Alpha AXP OSF/1, Product #2100-01439,Version 6.2 (#940630W1.11360)	DEC 3000 Model 500 AXP (under OSF/1, V1.3)	Same as Host
Rational Software Corporation Silicon Graphics VADS, VAda-2100-00732, Version 6.2 (#940630W1.11361)	Silicon Graphics Challenge (4IP19 @ 100MHz) (under IRIX 5.2)	Same as Host
Rational Software Corporation VADScross IBM RISC System/6000 AIX 3.2.3 => MIPS R4000, Version 6.2 (#940630W1.11362)	Silicon Graphics Challenge (4IP19 @ 100MHz) (under IRIX 5.2)	SGI Indigo XS4000 (MIPS R4000), operating as a bare machine (bare machine)
Rational Software Corporation VADS PowerPC => PowerPC, Product #2100-01445,Version 6.2 (#940630W1.11363)	IBM RS/6000 Model 250 (under AIX 3.2.5)	Motorola MVME1601 (PowerPC 601) (bare machine)
Rational Software Corporation VADS IBM RS/6000 => PowerPC, Product #2100-01445,Version 6.2 (#940630W1.11365)	IBM RS/6000 Model 530 (under AIX 3.2.5)	Motorola MVME1601 (PowerPC 601) (bare machine)
Rational Software Corporation DADScross Sun4 => MIPS R3000, Product #21 (#940630W1.11366)	Sun SPARCstation 10 (under SunOS 4.1.3)	Heurikon HKMIPS/V3500 (MIPS R3000) (bare machine)
Rational Software Corporation VADScross Sun4 Solaris 2.3 => MIPS R4000, Version 6.2 (#940630W1.11367)	Sun SPARCstation 10/512 (under Solaris 2.3)	SGI Indigo XS4000 (MIPS R4000) (operating as a bare machine)
Rational Software Corporation DADScross Sun4 => Paragon, Product #2100-01452,Version 6.2 (#940630W1.11368)	Sun SPARCstation 10 (under SunOS 4.1.3)	Intel Paragon (under OSF/1 Release 1.1.4)
Rational Software Corporation VADS Sun4 => PowerPC, Product #2100-01444, Version 6.2 (#940630W1.11369)	Sun SPARCcenter 2000 (under Solaris 2.3)	Motorola MVME1601 (PowerPC 601) (bare machine)
Rational Software Corporation VADS Sun4 => PowerPC Simulator, Product #2100-01455,Version 6.2 (#940630W1.11370)	Sun SPARCstation 2 (under SunOS 4.1.2)	VADS PowerPC Instruction Set Simulator, executing on the Host (bare machine simulation)
Rational Software Corporation VADS System V/88 Release 4, VAda-110-8383, Product #2100-00736, Version 6.2 (#940630W1.11371)	Motorola Series 900 Model 911 (M88110) (under UNIX System V Release 4)	Same As Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Rational Software Corporation VADS System V/88 Release 4, VAda-110-8484, Product #2100-01464, Version 6.2 (#940630W1.11372)	DG AViiON G70592-A(88110) (under UNIX System V Release 4)	Same As Host
Rational Software Corporation VADS AT&T 3B2/600GRUNIX System V Release 4, Product #2100-01449,Version 6.2 (#940630W1.11373)	AT&T 3B2/600GRUNIX System V Release 4, Product #2100-01449,Version 6.2	AT&T 3B2/600GR (under System V, Release 4.0)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11129)	VAX 8650 (under VMS, Version 5.3-1)	CAPS/AAMP1 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11129)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP1 (bare machine)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11130)	VAXstation 3100 Model 30 (under VMS 5.4)	CAPS/AAMP2 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP2 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler System, Version 6.3 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.5-2)	CAPS/AAMP2 & CAPS/AAMP3 (bare machines)
SD-Scicon UK Ltd XD Ada MC68020, Version 1.2 (#901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS Version 5.3)	Motorola MVME133XT board (MC68020) (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Motorola MVME135-1 board (MC68020) and Motorola MVME147S-1 board (MC68030) (bare machines)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME133XT board (MC68020) (bare machine)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 MVME135 & MVME147, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 (MC68020) & MVME147S-1 (MC68030) boards (bare machines)	Siemens Nixdorf Informations-systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (#90111911.11111)	SIEMENS NIXDORF 7.590G (under BS2000 V9.5)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020/EFA, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 board (MC68020) (bare machine)	*Validated by Registration Siemens Nixdorf Informations-systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (BASE #90111911.11111)	SIEMENS NIXDORF 7.530, 7.536, 7.541, 7.550, 7.551, 7.560, 7.561, 7.570, 7.571, 7.580 & 7.590; 7.500-C30, -C40, -H60, -H90 & -H120 (under BS2000 V9.5 & V10.0)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68340EVS Evaluation System CPU32 (bare machine)	Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (#910711W1.11181)	Siemens Nixdorf WX200 (SINIX-ODT) (under SINIX-ODT V1.0)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32/MC68332 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68332EVS Evaluation System CPU32 (bare machine)	*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #910711W1.11181)	Siemens Nixdorf WX200 (SINIX-ODT) (under SINIX-ODT V1.5)	Same as Host
SD-Scicon UK Ltd XD Ada MIL-STD-1750A, Version 1.2 (#901214N1.11080)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Fairchild F9450 on a SBC-50 board (MIL-STD-1750A) (bare machine)	Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (#92032511.11249)	Siemens Nixdorf MX300i (under SINIX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68000, Version 1.2 (#910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)	*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #92032511.11249)	Siemens Nixdorf WX200 & MX500i (under SINIX Version 5.41)	Each Host, self targeted
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68000/EFA, Version 1.2 (BASE #910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)	*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #92032511.11249)	Siemens Nixdorf PC (under SINIX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68020/ARTX, Version T1.2 (#910911N1.11199)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME147S-1 (MC68030) (bare machine)	Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (#92092211.11276)	Siemens Nixdorf RM600 (under SINIX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (#911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME165 (MC68040) (bare machine)	*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #92092211.11276)	Siemens Nixdorf RM400 (under SINIX Version V5.41)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040/FORCE CPU-40, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	FORCE CPU-40 (MC68040) (bare machine)	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11014)	Iris-4D/380 (under IRIX Release 4D-3.3)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11015)	Iris-4D/220S (under IRIX Release 4D-3.3)	Same as Host
			Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11016)	Iris-4D/25 (under IRIX Release 4D-3.3)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11203)	SGI Indigo (under Irix V4.0)	Same as Host	*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Versions 1.0 & 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1.3)	Any Host
*Validated by Registration Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (BASE #910920W1.11203)	IRIS Indigo, Personal IRIS 4D, IRIS 4D series of computers (under Irix V4.0)	Any Host	*Validated by Registration Sun Microsystems, Inc. Sun Microsystems SPARCompiler Ada 2.1 (BASE #921004W1.11289)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host
Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11204)	SGI 4D/440 (under Irix V3.3)	Same as Host	*Validated by Registration Sun Microsystems, Inc. Sun Microsystems SPARCworks iMPact Ada 1.0 (BASE #921004W1.11290)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host
SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11183)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	SKYbolt 8116-V (under SKYbolt kernel version 2.33)	Tartan, Inc. Tartan Ada VMS/C30, Version 4.0 (#9012I0I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)
SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11185)	SPARCstation 1 (under SunOS release 4.1)	SKYstation 8117-P (under SKYstation kernel version 2.33)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1 (BASE #9012I0I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)
SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11189)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	Same as Host	*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1.1 (BASE #9012I0I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board, NAVY SEM-D Key Code ADSP (bare machines)
SKY Computers, Inc. SKYvec ADA Release 3.6 (#940803W1.11374)	SPARCstation 10 Model 402 (under SunOS 4.1.3)	SKYbolt Model 8146-V (under SKYmpxrt release 3.6)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30/IPS, Version 4.1.2 (BASE #9012I0I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 (bare machine)
Software Leverage, Inc. Parallel-Leverage d Ada, 6.1.0.2 (#940411W1.11355)	Sequent Symmetry S27 (under DYNIX/ptx, 1.2)	Same as Host	*Validated by Registration Tartan, Inc. Tartan Ada VMS/C3X Version 4.3 (BASE #9012I0I1.11121)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Elf TMS320C31 board (bare machines)
*Validated by Registration Software Leverage, Inc. Parallel-Leverage d Ada, 6.1.0.2 (BASE #940411W1.11355)	Unisys U6000/7x & U6000/8x series, and Unisys Commercial Secure U6000/7x & U6000/8x series, all models (under DYNIX/ptx 1.2)	Any Host	Tartan, Inc. Tartan Ada Sun/960MC, Version 4.0 (#9012I0I1.11122)	Sun 3/60 (under SunOS Version 4.0.3)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
Stratus Computer, Inc. Stratus Ada, Version 6.1 (#921015W1.11294)	Stratus XA/R20 (under FTX 2.0.1)	Same as Host	Tartan, Inc. Tartan Ada Sun/Sun, Version 4.0 (#90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.0-4-4-21, Version 1.0 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 releases 4.1 & 4.1.2, as supported)	Any Host	*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.1 (BASE #90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Version 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 release 4.1.2)	Any Host			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.2 (BASE #90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host	*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.1 (BASE #90121311.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)
Tartan, Inc. Tartan Ada VMS/960MC, Version 4.0 (#90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.3 (BASE #90121311.11119)	VAXstation 3100 (under VMS 5.5)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board, & Intel ICE960/25 on an Intel EXV80960MC board (bare machines)	Tartan, Inc. Tartan Ada VMS/680X0, Version 4.1 (#91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXVB0960MC board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/680X0, Version 4.1.1 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020), MVME143 (MC68030), & MVME165 (MC68040) (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/680X0/IPS, Version 4.1.2 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.2 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXVB0960MC board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/68XXX Version 4.3 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.5)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/SVMRT, Version 4.3 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)	Tartan, Inc. Tartan Ada SPARC C30, Version 4.2 (#92031311.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/PMRT, Version 4.3 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, Intel EXV80960MC board, & P1-960MX-JXV board (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC C3X, Version 4.3 (BASE #92031311.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Elf TMS320C31 board (bare machines)
Tartan, Inc. Tartan Ada Sun/C30 Version 4.0 (#90121211.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)	Tartan, Inc. Tartan Ada SPARC 1750a, Version 4.2 (#92031311.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Fairchild F9450 on an SBC-50 board (MIL-STD-1750A) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada Sun/C30, Version 4.1.1 (BASE #90121211.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/1750A, Version 4.3 (BASE #92031311.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)
Tartan, Inc. Tartan Ada VMS/1750A, Version 4.0 (#90121311.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC 1750a Version 4.2.1 (BASE #92031311.11245)	Sun SPARCstation ELC (under SunOS 4.1.1)	Fairchild F9450 on an SBC-50 board (bare machine)
			Tartan, Inc. Tartan Ada SPARC 680X0, Version 4.2 (#92031311.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (MC68020) (bare machine)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/68XXX Version 4.3 (BASE #92031311.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)	TeleSoft TeleGen2 Ada Host Development System, Version 4.1, for SPARCSystems (#901128W1.11090)	Sun-4/280 (under Sun UNIX 4.2, Release 4.1)	Same as Host
Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2 (#92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Intel EXV80960MC board (bare machine)	*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.2, release 4.1)	Any Host
*Validated by Registration Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2.2 (BASE #92031311.11247)	SPARCstation ELC (under SunOS Version 4.1.1)	Intel EXV80960MC board (bare machine)	*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Solbourne Series 5 & 5E; and S4000 (under OS/MP 4.1)	Any Host
*Validated by Registration Tartan, Inc. Tartan Ada RS6000/960mc, Version 4.2.2 (BASE #92031311.11247)	IBM RISC System/6000 Model 320H (under AIX Version 3.2)	Intel EXV80960MC board (bare machine)	*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for SPARCSystems, Version 4.1.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.1)	Any Host
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/SVMRT, Version 4.3 (BASE #92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)	TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for VAX/VMS to 68K (#910121II.11124)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Motorola MVME133A-20 (MC68020) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/PMRT, Version 4.3 (BASE #92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-JXV board (bare machines)	*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System for VAX to 68K, Version 4.1 (BASE #910121II.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME133*, MVME135*, MVME136* (MC68020); MVME141* & MVME147* (MC68030); and Force CPU-30, CPU-31, CPU-32 & CPU-37 (bare machines)
Tartan, Inc. Tartan Ada VMS/C40 v4.2.1 (#921030II.11296)	VAXstation 4000 Model 60 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Processing Development System (bare machine)	*Validated by Registration TeleSoft TeleSoft TRIAD System for VAX/VMS to 68K, Version 4.1 (BASE #910121II.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME147* (MC68030) (bare machines, using TeleAda-Exec)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/C40, Version 4.3 (BASE #921030II.11296)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C40 Parallel Development System (bare machine)			
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C40, Version 4.3 (8ASE #921030II.11296)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Development System (bare machine)	*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System for VAX/VMS to 68K, Version 4.1 (BASE #910121II.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4)	Motorola MVME165* & MVME167* (68040) board families (bare machines)
Tartan, Inc. TartanWorks Ada VxWorks 68xxx Version 4.3.1 (#942022III.11340)	SPARCstation ELC (under SunOS 4.3.1)	Motorola MVME167 (68040) (bare machine, using 5.1)	TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for VAX/VMS to MIPS (#910123II.11125)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
TeleSoft TeleGen2 Sun-3 Ada Development System, Version 4.01 (#90052511.11012)	Sun-3/280 (under Sun UNIX 4.2, Release 4.0.3)	Same as Host	TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for SUN-3 to 68K (#910125II.11126)	Sun-3/480 (under Sun UNIX, Release 4.1)	Motorola MVME135-1 (MC68020) (bare machine)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
TeleSoft TeleGen2 Ada Cross Development System, Version 3.1 for VAX/VMS to 386 (#91032511.11139)	VAX 6210 (under VMS 5.3)	Intel iSBC 386-120 (80386/387)(bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System, Version 3.1 (BASE #91032511.11139)	VAX 4000-300(under VMS 5.4-3)	Intel iSBC 486/133SE board (bare machine, using TeleAda-EXEC 1.0)
TeleSoft TeleGen2 Ada Cross Development System, Version 3.1 for SPARC to 68K (#91032511.11140)	Sun-4/60 (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System for SPARC to 68K, Version 4.1 (BASE #91032511.11140)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Motorola MVME133*, MVME135*, MVME136* (68020);MVME141* & MVME147* (68030); and MVME165* & MVME167* (68040) board families (bare machines, optionally using TeleAda_Exec 2.0)
TeleSoft TeleGen2 Ada Host Development System, Version 4.1, for MacII Systems (#91072111.11194)	Apple Macintosh IIfx (under A/UX 2.0)	Same as Host
*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for MacII Systems, Version 4.1 (BASE #91072111.11194)	Apple Macintosh II family, & SE/30 (under A/UX Release 2.0)	Any Host
TeleSoft TeleGen2 Ada Development System for VAX to 1750A, Version 3.25 (#91102811.11229)	MicroVAX 3800 (under VMS Version 5.4)	MIL-STD-1750AECSPO ITS RAID Simulator, Version 6.0 (bare machine simulation, executing on the Host)
TeleSoft TeleGen2 Ada Compilation System for VAX to 80960, Version 4.1 (#91121311.11235)	MicroVAX 3800 (under VMS Version 5.4)	Intel EXV 960 MC-MIL (i960 XA) (bare machine, using Hughes O.S. Ada RTS interface)
TeleSoft TeleGen2 Ada Cross Development System Version 4.1.1 for SUN-4 to eMIPS (#92102911.11295)	Sun-4/690 (under SunOS Release 4.1.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010)(bare machine)
TeleSoft TeleGen2(tm) Ada Cross Development System for Sun-4 to i960, Version 4.1.1 (#92121811.11303)	Sun-4/690 (under SunOS Release 4.1.2)	CVME962 System (i960XA board with MC Processor) (bare machine)
TeleSoft TeleGen2(tm) Ada Cross Development System for Sun-4 to e68k, Version 4.1c (#92121811.11304)	Sun-4/690 (under SunOS Release 4.1.2)	Motorola MVME147S-1 (68030/68882)(bare machine)
Texas Instruments MIPS-Ada, Version 3.0 (#901030W1.11052)	MIPS M/2000 (under RISC/os 4.02)	TI DP32 R3000 Processor (bare machine, using TI DP32 RTE Version 1.0)
Texas Instruments TI Ada, Version 1.0 (#910403W1.11135)	MicroVAX 3400 (under VMS 5.3-1)	TI DP32 R3000 Processor (bare machine, using TI Executive and Runtime Services (EARS) Version 1.0)
*Validated by Registration TLD Systems, Inc. TLD Comanche VAX/MIL-STD-1750A Ada Compiler System, Version 3.4.C (BASE #931012W1.11329)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.5)	TLDmps MIL-STD-1750A Multiple Processor Simulator, executing on the Host (bare machine simulation, using TLDrtx Real Time Executive, 3.4.C)
*Validated by Registration TLD Systems, Inc. TLD Comanche VAX/i960 Ada Compiler System, Version 4.1.1 (BASE #940305W1.11335)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.5)	Various hardware & software implementations of the Intel i960 hardware architecture, including: TLDmps i960 Multiple Processor Simulator (executing on a host), Tronic JIAWG i960 MX/XA Execution Vehicle, Intel EXV 960MX Execution Vehicle, and Westinghouse Data Processing System (containing multiple i960 MX/XA boards) (bare machines or bare machine simulation, using TLDrtx Real Time Executive, Version 4.1.1)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11237)	Sun-4/75 (under SunOS, Version 4.1.1)	Rockwell International RI-1750AB Brassboard Development System (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)
TLD Systems, Ltd. TLD MV/MV Ada Compiler System, Version 2.9.0 (#920319W1.11238)	Data General MV/32 20000-2 (under AOS/VS II, Version 2.03)	Same as Host
TLD Systems, Ltd. TLD Sun-4/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11239)	Sun-4/75 (under SunOS, Version 4.1.1)	Honeywell Program Development Unit (PDU) with Honeywell Generic VHSIC Spaceborne Computer (GVSC) MIL-STD-1750A(bare machine, using TLDrtx Real Time Executive, Version 1.0.0)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11240)	Sun-4/75 (under SunOS, Version 4.1.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
TLD Systems, Ltd. TLD RISC6000/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11241)	IBM RISC System 6000, Model 530 (under AIX, Version 3.1)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
*Validated by Registration TLD Systems, Ltd. TLD RISC6000/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11241)	IBM RISC System 6000 series (under AIX, Version 3.1)	IBM User Console with IBM Generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11242)	MicroVAX 3500 (under VMS, Version 5.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
*Validated by Registration TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11242)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	IBM User Console with IBM Generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)
TLD Systems, Ltd. TLD HP 9000/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11243)	HP 9000/350 (under HP-UX, Version 7.0)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
TLD Systems, Ltd. TLD Comanche VAX/MIL-STD-1750A Ada Compiler System, Version 3.4.C (#931012W1.11329)	VAXstation 4000 Model 60 (under VMS 5.5)	TLD MIL-STD-1750A Multiple Processor Simulator (TLDmps), executing on the Host (bare machine simulation, using TLD Real Time Executive (TLDrtx), 3.4.C)
TLD Systems, Ltd. TLD Comanche VAX/i960 Ada Compiler System, Version 4.1.1 (#940305W1.11335)	DEC Local Area Network VAX Cluster (comprising 2 MicroVAX 3100 Model 90 machines) (under VMS 5.5)	Tronix JIAWG Execution Vehicle (i960MX) (bare machine using TLD Real Time Executive (TLDrtx), (Domain Configuration), Version 4.1.1)
U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.0 (#910425W1.11142)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
*Validated by Registration U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.1 (BASE #910425W1.11142)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.0 (#910425W1.11143)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
*Validated by Registration U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.1 (BASE #910425W1.11143)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
U.S. NAVY AdaVAX, Version 5.0 (/OPTIMIZE) (#910517S1.11162)	VAX 8600 (under VMS Version 5.3)	Same as Host
U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11163)	VAX 8600 (under VMS Version 5.3)	Same as Host
U.S. NAVY AdaVAX, Version 5.0 (/OPTIMIZE) (#910517S1.11164)	VAX-11/785 (under VMS Version 5.3)	Same as Host
U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11165)	VAX-11/785 (under VMS Version 5.3)	Same as Host
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11172)	VAX 8550 (under VMS Version 5.3)	AN/UYK-43 (single cpu) (bare machine)
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11173)	VAX 8550 (under VMS Version 5.3)	AN/UYK-43 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11174)	VAX 8550 (under VMS Version 5.3)	AN/UYK-44 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11175)	VAX 8550 (under VMS Version 5.3)	AN/AYK-14 (bare machine)
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11176)	VAX-11/785 (under VMS Version 5.3)	AN/UYK-43 (single cpu) (bare machine)
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11177)	VAX-11/785 (under VMS Version 5.3)	AN/UYK-43 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11178)	VAX-11/785 (under VMS Version 5.3)	AN/UYK-44 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11179)	VAX-11/785 (under VMS Version 5.3)	AN/AYK-14 (bare machine)
U.S. NAVY AdaVAX, Version 5.5 (/OPTIMIZE) (#920918S1.11270)	VAXstation 4000 (under VMS Version 5.5)	Same as Host
U.S. NAVY AdaVAX, Version 5.5 (/NO_OPTIMIZE) (#920918S1.11271)	VAXstation 4000 (under VMS Version 5.5)	Same as Host
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11272)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11273)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11274)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11275)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)
UNISYS Corporation UCS Ada, Version 1R1 (#910510S1.11161)	UNISYS 2200/600 (under OS1100, Version 43R2)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration UNISYS Corporation UCS Ada, Version 1R1 (BASE #910510S1.11161)	UNISYS 1100/90, 2200/100, /200, /400, /600, & /900 (under OS 1100, Versions 43R2 & 43R3, as supported)	Any Host	Verdix Corporation VADS Sun3 SunOS, VAda-110-1313, Version 6.0 (#900510W1.11003)	Sun 3/280 (under SunOS 4.0)	Same as Host
Verdix Corporation VAda-110-6161, Version 6.0.2 (#900228W1.11001)	DECstation 3100 (under ULTRIX 3.1)	Same as Host	*Validated by Registration Verdix Corporation VADS Sun-3 Sun OS, VAda-110-1313, Version 6.0 (BASE #900510W1.11003)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.0 & 4.1)	Any Host machine (under same OS version)
*Validated by Registration Verdix Corporation VAda-110-6161, Version 6.0.2 (BASE #900228W1.11001)	DECstation 2100, 5000; DECsystem 5400, 5810, 5820, 5830, 5840 (under ULTRIX 3.1)	Any Host	Verdix Corporation VADS IBM PS/2 AIX => Intel 80386, VAda-110-35315, Version 6.0 (#900510W1.11004)	IBM PS/2 Model 80 (under AIX 1.1)	Intel iSBC 386/12 (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 4.0, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Any Host	Verdix Corporation VADS IBM PS/2 AIX => 68K, VAda-110-35125, Version 6.0 (#900510W1.11005)	IBM PS/2 Model 80 (under AIX 1.1)	Motorola MVME133A-20 (MC68020) (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 4.1, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.1)	Any Host	Verdix Corporation VADS Sun-4 SunOS, VAda-110-4040, Version 6.0 (#900510W1.11006)	Sun 4/280 (under SunOS 4.0)	Same as Host
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 4.2, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under Ultrix 4.2)	Any Host	*Validated by Registration Verdix Corporation VAda-110-4040, Version 6.0 (BASE #900510W1.11006)	Sun-4/20, /65, /110, /150 & /260; SPARCserver 310, 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 310, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Any Host
*Validated by Registration Verdix Corporation VADS DEC-RISC, VAda-110-6161, Versions 6.0, 6.1, & 6.2 (BASE #900228W1.11001)	Digitial Equipment Corp. DECstation & DECsystem series of MIPS-based computers (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Any Host	Verdix Corporation VADS Sun3 SunOS => 68K, VAda-110-13125, Version 6.0 (#900510W1.11007)	Sun 3/280 (under SunOS 4.0) (bare machine)	Motorola MVME147 (MC68030)
Verdix Corporation VAda-110-0202, Version 6.0 (#900228W1.11002)	VAXsystem 3100 (under ULTRIX 3.1)	Same as Host	*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 68K, VAda-110-13125, Version 6.0 (BASE #900510W1.11007)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.0 & 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-110, MVME-165 & MVME-167; Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAX 6000, VAX 8000 & VAX 9000 series (under ULTRIX 4.0)	Any Host			
*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under ULTRIX 4.2)	Any Host	Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (#900726W1.11017)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Any Host	*Validated by Registration Verdix Corporation VADS VAX/VMS = > 68K, VMS 5.2, VAda-110-03125, Version 6.0 (BASE #900726W1.11021)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.2)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68220 Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME165, MVME167; Tadpole TP32V & TP32VE (bare machines)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under AIX 3.2)	Any Host			
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Versions 6.0, 6.1, & 6.2 (BASE #900726W1.11017)	IM8 RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Any Host	Verdix Corporation VADS VAX/VMS = >Intel 386, VMS 5.2, VAda-110-03315, Version 6.0 (#900726W1.11022)	MicroVAX 3100 (under VAX/VMS V5.2)	Intel iS8C 386/32 (bare machine)
Verdix Corporation VADS HP 9000/300, HP-UX 7.0, VAda-110-1515, Version 6.0 (#900726W1.11018)	HP 9000/350 (under HP-UX 7.0)	Same as Host	*Validated by Registration Verdix Corporation VADS VAX/VMS = >Intel 386, VMS 5.3, VAda-110-03315, Version 6.0 (BASE #900726W1.11022)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel iS8C 386/32 (bare machine)
*Validated by Registration Verdix Corporation VADS HP 9000/300, HP-UX 7.0, VAda-110-1515, Version 6.0 (BASE #900726W1.11018)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Any Host	Verdix Corporation VADS VAX/Ultrix = >68k, Ultrix 3.1, VAda-110-02125, Version 6.0 (#900726W1.11023)	MicroVAX 3100 (under Ultrix 3.1)	Tektronix MV System, MV 68020 Support System, using TekD8 Version 5.0.2 emulation software (bare machine simulation)
Verdix Corporation VADS Prime EXL/320, UNIX System V/386 3.2, VAda-110-3232, Version 6.0 (#900726W1.11019)	Prime EXL/320 (under UNIX System V/386 3.2)	Same as Host	*Validated by Registration Verdix Corporation VADS VAX/ULTRIX = > 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under Ultrix 3.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68220 & Liberator S8C; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP32VE (bare machines); Tektronix MV System MV 68020 Support System using TekD8 Version 5.0.2 emulation software (bare machine simulation)
Verdix Corporation VADS VAX/VMS 5.2, VAda-110-0303, Version 6.0 (#900726W1.11020)	MicroVAX 3100 (under VAX/VMS V5.2)	Same as Host			
*Validated by Registration Verdix Corporation VADS VAX/VMS 5.3, VAda-110-0303, Version 6.0 (BASE #900726W1.11020)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Any Host			
*Validated by Registration Verdix Corporation VADS VAX/VMS 5.2, VAda-110-0303, Versions 6.0 & 6.2 (BASE #900726W1.11020)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, and VAX 6000, 8000, & 9000 series of computers (under VMS 5.0, 5.2, & 5.3)	Any Host	*Validated by Registration Verdix Corporation VADS VAX/ULTRIX = > 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under Ultrix 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK6B/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZB130; Motorola MVME133 Series, MVME134, MVME135 & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; Tadpole TP32V; and Tektronix MV System, MV 68020 Support System using TekD8 Version 5.0.2 emulation software (bare machine simulation) (bare machines)
Verdix Corporation VADS VAX/VMS = >68k, VMS 5.2, VAda-110-03125, Version 6.0 (#900726W1.11021)	MicroVAX 3100 (under VAX/VMS V5.2)	Motorola MVME147 (MC68030) (bare machine)			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS DEC-RISK=>68k, Ultrix 3.1, VAda-110-61125, Version 6.0 (#900726W1.11024)	DECstation 3100 (under Ultrix 3.1)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC => 68K, Ultrix 4.0, VAda-110-61125, Version 6.0 (8ASE #900726W1.11024)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134, MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdix Corporation VADS DEC-RISC=>68K, Ultrix 3.1, VAda-110-61125, Versions 6.0, 6.1, 6.2 (BASE #900726W1.11024)	Digital Equipment Corp. DECstation & DECsystem series of MIPS-based computers (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MD-CPU320, & MD-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V (bare machines)
Verdix Corporation VADS I8M RISC System/6000=>68k,AIX 3.1, VAda-110-71125, Version 6.0 (#900726W1.11025)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdix Corporation VADS I8M RISC System/6000=>68K, AIX 3.1, VAda-110-71125, Version 6.0 (BASE #900726W1.11025)	I8M RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Cyclone CVME 44, CVME 46 & CVME48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME133 Series, MVME134, MVME135 & MVME147 Series; and Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdix Corporation VADS VAX/VMS=>68k, VAda-110-03125, Versions 6.0 & 6.2 (8ASE #900726W1.11025)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, VAX 9000 Series of computers (under VMS 5.0, 5.2, & 5.3)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machine)
*Validated by Registration Verdix Corporation VADS I8M RISC System/6000 => >68K, VAda-110-71125, Versions 6.0, 6.1, & 6.2 (8ASE #900726W1.11025)	IBM RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machine)
Verdix Corporation VADS I8M RISC System/6000 => >386,AIX 3.1, VAda-110-71315, Version 6.0 (#900726W1.11026)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Intel iS8C 386/116 (bare machine)
*Validated by Registration Verdix Corporation VADS I8M RISC System/6000 => >386,AIX 3.1, VAda-110-71315, Version 6.0 (8ASE #900726W1.11026)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Intel iSBC 386/116 (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 => >386, AIX 3.1, VAda-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under AIX 3.2)	Intel iSBC 486/125 (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 => 68K, SunOS 4.0, VAda-110-40125, Version 6.0 & 6.2 (BASE #900726W1.11097)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MD-CPU320, MD-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V
Verdix Corporation VADS VAX/VMS 5.2 => Intel 80386/WEITEK 3167, VAda-110-03315, Version 6.0 (#901129W1.11094)	MicroVAX 3100 (under VMS Version 5.2)	Intel iS8C 386/116 using a WEITEK 3167 fpu (bare machine)
*Validated by Registration Verdix Corporation VADS VAX/VMS 5.3 => Intel 80386/WEITEK3167, VAda-110-03315, Version 6.0 (8ASE #901129W1.11094)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel iS8C 386/116 using a WEITEK 3167 fpu (bare machine)
Verdix Corporation VADS UNIX System V/386, Rel. 4, VAda-110-3232, Version 6.0 (#901129W1.11095)	Intel 302 System (under UNIX System V/386, Release 4)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS UNIX System V/486, Rel. 4, VAda-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under UNIX System V/486, Release 4)	Any Host
*Validated by Registration Verdix Corporation VADS UNIX System V/486, Rel. 4, VAda-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under NCR UNIX System V, Release 4.0); AST Premium 486/33 (under UNIX System V/486, Release 4.0)	Any Host
*Validated by Registration Verdix Corporation VADS UNIX System V/386/486, VAda-110-3232, Versions 6.0, 6.1, & 6.2 (BASE #901129W1.11095)	Any computer that executes the Intel 80386 or 80486 instruction set (under NCR UNIX System V Release 4.0, UNIX System V/486 Release 4.0, 486 Sunsoft Interactive UNIX Release 4.0, 486 Interactive UNIX Release 3.01R3.2)	Same as Host
Verdix Corporation VADS Sequent Balance DYNIX V3.0, VAda-110-2323, Version 6.0 (#901129W1.11096)	Sequent Balance 8000 (under DYNIX Version 3.0)	Same as Host
Verdix Corporation VADS Sun4 => 68K, Sun OS 4.0, VAda-110-40125, Version 6.0 (#901129W1.11097)	Sun-4/260 (under SunOS 4.0)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 => 68K, Sun OS 4.0, VAda-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun-4/20, /65, /110 & /150; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130; Sun Microsystems 3E Board Set; Motorola MVME110 (MC68000), MVME133 Series, MVME134, MVME135, MVME136 (MC68020), MVME147 Series & MVME141 (MC68030), MVME-165, MVME-167 (MC68040); Tadpole TP32V, TP33M (bare machines)
*Validated by Registration Verdix Corporation VADS Sun4 => 68K, Sun OS 4.1, VAda-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, /V2F Series, & /V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator S8C; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130, & CPU330; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP33M (bare machines)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAda-110-4013, Version 6.0 (#901129W1.11098)	Sun-4/260 (under SunOS 4.0)	Sun-3/260 (under SunOS 4.0)
*Validated by Registration Verdix Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAda-110-4013, Version 6.0 (BASE #901129W1.11098)	Sun-4/20, /65, /110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.1)
Verdix Corporation VADS AT&T 3B2/600G UNIX System V, Release 3.2.2, VAda-110-5151, Version 6.0 (#901129W1.11099)	AT&T 3B2/600G (under UNIX System V, Release 3.2.2)	Same as Host
Verdix Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (#901129W1.11100)	HP 9000 Model 350 (under HP-UX 7.0)	Motorola MVME133A (68020) (bare machine)
*Validated by Registration Verdix Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020), Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdix Corporation VADS HP-9000/300 => 68K, VAda-110-15125, Version 6.0 (BASE Motorola #901129W1.11100)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0 & 8.0)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7130, MZ8120, & MZ8130; MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; Tadpole TP32V
Verdix Corporation VADS 8CS/88K, AViion DGUX 4.3, VAda-110-8080, Version 6.1 (#901129W1.11101)	Data General AViiON Model 5120 (under DG/UX 4.3)	Same as Host
*Validated by Registration Verdix Corporation VADS 8CS/88K, AViion DGUX 4.3, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	DG AViiON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220 (under DG/UX 4.3)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS BCS/88K AViion DGUX 5.4, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Data General AViiON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220; MODCOMP Real Star Family (under DG/UX 5.4)	Any Host
*Validated by Registration Verdix Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	MODCOMP Real Star Family (under REAL/IX C.0.2)	Any Host
*Validated by Registration Verdix Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Motorola 8000 Delta Series (MC88000), all models (under Unix System V/88, R32V3)	Any Host
*Validated by Registration Verdix Corporation VADS BCS/B8K, AViion DGUX 4.3, VAda-110-8080, Versions 6.1 & 6.2 (BASE #901129W1.11101)	Data General AViiON computer series (under DG/UX 4.3 & 5.4)	Any Host
Verdix Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (#901129W1.11102)	Sun-4/490 (under SunOS 4.1)	SPARCengine 1E (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 =>SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (BASE #901129W1.11102)	Sun-4/20, /65, /110, /150 & /260; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation SLC, 1, 1+, 2, 330 & 370 (under SunOS 4.1)	SPARCengine 1E (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 =>SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 & 6.1 (BASE #901129W1.11102)	Sun Microsystem Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	SPARCengine 1E & Ironics IV-SPARC-33A. (bare machines)
Verdix Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (#910517W1.11149)	Sun 3/260 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (8ASE #910517W1.11149)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Motorola MVME 165 (MC68040) (bare machine)
Verdix Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (#910517W1.11150)	DECstation 5000-200(under ULTRIX V4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (BASE #910517W1.11150)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 & 6.2 (BASE #910517W1.11150)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Heurikon HKMIPS/V3500;LSI Logic LR33000/LR33050Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines)
Verdix Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (#910517W1.11151)	MicroVAX 3600 (under VMS V5.2)	Integrated Device Technology IDT7RS302(bare machine)
*Validated by Registration Verdix Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Integrated Device Technology IDT7RS302 (bare machine)
*Validated by Registration Verdix Corporation VADS VAX/VMS => MIPS R3000, VAda-110-03620, Versions 6.1 & 6.2 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.0, 5.2, & 5.3)	Heurikon HKMIPS/V3500;LSI Logic LR33000/LR33050Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Puslar 3000 (bare machines)
Verdix Corporation VADS Sun-4 SunOS => 68k, VAda-110-40140, Version 6.0 (#910517W1.11152)	Sun 4/280 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68k, VAda-110-40140, Version 6.0 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => 68040, VAda-110-40140, Versions 6.0 & 6.2 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVME-144; Force CPU-40 Series/Eagle1; Motorola MVME165, MVME167, MVME167A; PEP Modular Computer VM40; and Tadpole TP41V

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (#910517W1.111...)	DECstation 2100 (under ULTRIX V4.0)	Motorola MVME181 (bare machine)	*Validated by Registration Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0, 6.1, & 6.2 (BASE #910517W1.11155)	Any computer that executes the Intel 80386 or 80486 instruction set (under SCO UNIX Release 3.2 running SecureWareCMW +/386 v2)	Same as Host
*Validated by Registration Verdix Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (8ASE #910517W1.11153)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Motorola MVME181 (88000) (bare machine)	Verdix Corporation VADS Sun-4 SunOS => AMD 29K, 6.0 VAda-110-40525, Version 6.0 (#910517W1.11156)	Sun 4/280 (under SunOS 4.0.3)	Ironics IV9001 board (AMD 29000)(bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC => 88k, VAda-110-61680, Versions 6.1 & 6.2 (BASE #910517W1.11153)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Hughes Realtime Embedded Ada Processor (REAP) (bare machine)	*Validated by Registration Verdix Corporation VADS Sun4 SunOS => AMD 29K, VAda-110-40525, Version 6.0 (8ASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Ironics IV9001 board (AMD 29000)(bare machine)
Verdix Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (#910517W1.11154)	Sun 4/20 (under SunOS 4.1.1)	Motorola MVME147SA (bare machine, using vxWorks 5.0)	*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 => >68K, VAda-110-71125, Versions 6.0, 6.1, & 6.2 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver of compters (under SunOS 4.0, 4.1, & 4.2)	Ironics IV9001 board (AMD 29000)(bare machine)
*Validated by Registration Verdix Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (BASE #910517W1.11154)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 33, CPU 37, & Golden Triangle Firepower; General Micro Systems GMSV17 & GMSV37; Heurikon HK68/V20, /V2E, /V2F, /V2FA, /V30, /V30XE, /V3E, & /V3F; Ironics IV-3201a, 3204a, 3220, 3230; Matrix MS-CPU320; Mizar MZ7122 & MZ7124; Motorola MVME133 Series, MVME135, MVME135A, MVME141, MVME143, & MVME147; Radstone PME 68-25 & 68-31; S8E VLAN-e & VPU30; Sun Microsystems 3E; and Tadpole Technology TP32V-4MB (bare machines, using vxWorks 5.0)	*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => AMD 29K, VAda-110-40525, Versions 6.0, 6.1, & 6.2 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.0, 4.1, & 4.2)	Ironics IV9001 board (AMD 29000)(bare machine)
Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (#910517W1.11155)	Zenith Z-486/25E (under SCO UNIX i386 release 3.2)	Same as Host	Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.1 (#910517W1.11157)	Intel 402 (under SCO UNIX 3.2v2.e)	Same as Host
*Validated by Registration Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Zenith Z-486/33E (under SCO UNIX i386 release 3.2)	Same as Host	*Validated by Registration Verdix Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.1 (8ASE #910517W1.11157)	Any Computer System Comprising: cpu: any that executes the Intel 80386/i486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host
*Validated by Registration Verdix Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Any Computer System Comprising: cpu: any that executes the Intel 80386/i486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host	*Validated by Registration Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Versions 6.1, & 6.2 (BASE #910517W1.11157)	Any computer that executes the Intel 80386 or 80486 instruction set (under 486 SCO ODT v1.1.1 & v2 R3.1, NCR UNIX System V Release 4.0, and UNIX System V/486 Release 4.0)	Same as Host
			*Validated by Registration Verdix Corporation VADS HP 9000/300, VAda-110-1515, Version 6.0 (BASE #910517W1.11157)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS HP 9000/300, VAda-110-1515, Version 6.0 (BASE #910517W1.11157)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0)	Any Host	*Validated by Registration Verdix Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)
*Validated by Registration Verdix Corporation VADS 386/486, VAda-110-3232, Version 6.2 (BASE #910517W1.11157)	Any computer that executes the Intel 80486 instruction set (under SCO UNIX 3.2 v4.2)	Same as Host	*Validated by Registration Verdix Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 & 6.2 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCstation, & SPARCstation, & SPARCserver series of computers (under SunOS 4.0, 4.1, & 4.2)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computer; Omnibyte VR3000; and Pulsar 3000 (bare machines)
Verdix Corporation VADS MIPS, VAda-110-6262, Version 6.1 (#910920W1.11200)	MIPS RC3230 (under RISC/os 4.52)	Same as Host	Verdix Corporation VADS Sun-4 SunOS => MC68000/10, VAda-110-40128, Version 6.0 (#910920W1.11206)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
*Validated by Registration Verdix Corporation VADS VAda-110-6262, Version 6.1 (BASE #910920W1.11200)	MIPS RC3xxx & RC4xxx series of computers (under RISC/OS 4.5)	Any Host	*Validated by Registration Verdix Corporation VADS Sun4 => MC68000/10, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
Verdix Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (#910920W1.11201)	MicroVAX 3100 (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdix Corporation VADS Sun-4 => MC68000/10, SunOS 4.1, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 (bare machines)
*Validated by Registration Verdix Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (BASE #910920W1.11201)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdix Corporation VADS Sun-4 => MC68000/10, SunOS, VAda-110-40128, Versions 6.0, 6.1, & 6.2 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Motorola MVME101, Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 single-board computers (bare machines)
Verdix Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Version 6.1 (#910920W1.11202)	IBM RISC System/6000 Model 530 (under AIX 3.1)	IDT 7RS302 (R3000) (bare machine)	Verdix Corporation VADS Sun-4 SunOS => CPU32, VAda-110-40150, Version 6.0 (#910920W1.11207)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RS/6000 AIX 3.1, VAda-110-71620, Version 6.1 (BASE #910920W1.11202)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AIX 3.1)	IDT 7RS302 (R3000) (bare machine)	*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAda-110-40150, Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Versions 6.1 & 6.2 (BASE #910920W1.11202)	IBM RISC/System 6000 Series of computers (under AIX 3.1 & 3.2)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines)	*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAda-110-40150, Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Motorola CPU32-68331, -68333, & -68340 Evaluation Systems (bare machines)
Verdix Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (#910920W1.11205)	SPARCserver 490 (under SunOS Release 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)			

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS Sun-4 => CPU32, SunOS, VAda-110-40150, Versions 6.0 & 6.2 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1., & 4.2)	Motorola CPU32-68331, -68332, -68333, & -68340 Evaluation Systems (bare machines)
Verdix Corporation VADS IBM PS/2, AIX 1.1, VAda-110-3535, Version 6.1 (#910920W1.11208)	IBM PS/2 Model 80 (under AIX 1.1)	Same as Host
Verdix Corporation VADS MIPS => MIPS R3000, VAda-110-62620, Version 6.1 (#910920W1.11209)	MIPS RC3230 (under RISC/os 4.52)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdix Corporation VADS MIPS => MIPS R3000, VAda-110-62620, Versions 6.1 & 6.2 (BASE #910920W1.11209)	MIPS RC3230 (under RISC/OS 4.5)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based R3000-based computers Omnibyte VR3000; and Pulsar 3000 (bare machines)
Verdix Corporation VADS Sun-3 SunOS => 68020/30ARTX, VAda-110-13120, Version 6.0 (#910920W1.11210)	Sun-3/280 (under SunOS Release 4.0)	Motorola MVME147 (6B030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 6B020/30ARTX, VAda-110-13120, Version 6.0 (BASE #910920W1.11210)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, /V2F Series, & /V30 Series; Integrated Solutions VME68K20, 68K30, 6B225, & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7122, MZ7124, MZ7130, MZB120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, MVME136, MVME141, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP32M (bare machines)
Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAda-110-40120, Version 6.0 (#910920W1.11211)	SPARCstation 2 (under SunOS Release 4.1.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAda-110-40120, Version 6.0 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 6B020/30ARTX, VAda-110-40120, Versions 6.0 & 6.2 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK6B/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZB120, MZB130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V (bare machines)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS IBM RISC System/6000 AIX => 6B020/30ARTX, VAda-110-71120, Version 6.0 (#910920W1.11212)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (6B030) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System /6000 AIX => 68020/30 ARTX, VAda-110-71120, Version 6.0 (BASE #910920W1.11212)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AIX 3.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS SYSTEM V/860 RELEASE 4, VAda-110-9090, Version 6.1 (#910920W1.11213)	Okidata I860 Workstation (under UNIX SYSTEM V/B60 RELEASE 4 v1.0)	Same as Host
Verdix Corporation VADS VMS => AMD29000, VAda-110-03525, Version 6.04 (#910920W1.11214)	MicroVAX 3600 (under VMS 5.2)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
*Validated by Registration Verdix Corporation VADS VAX VMS => AMD 29K, VAda-110-03525, Version 6.04 (BASE #910920W1.11214)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAda-110-13525, Version 6.04 (#910920W1.11215)	Sun-3/180 (under SunOS 4.1.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
*Validated by Registration Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAda-110-13525, Version 6.04 (BASE #910920W1.11215)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
Verdix Corporation VADS AT&T 3B2/600GR UNIX System V, Release 4.0, VAda-110-6363, Version 6.1 (#920513W1.11252)	AT&T 3B2/600GR (under UNIX System V, Release 4.0)	Same as Host
Verdix Corporation VADS IBM RISC System/6000 => IBM RISC System/6000, VAda-110-71710, Version 6.2 (#920513W1.11253)	IBM RISC System/6000 Model 530 (under AIX 3.2)	IBM RISC System/6000 Model 320 (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, VAda-110-71710, Version 6.2 (BASE #920513W1.11253)	IBM RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS BCS => 88K, VAda-110-80680, Version 6.1 (#920513W1.11254)	Motorola 88000 Delta (under R32V3 920117)	Motorola MVME187 (88000) (bare machine)	Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Version 6.2 (#921004W1.11278)	IBM RISC System/6000 model 220 (under AIX 3.2)	Same as Host
Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Version 2.0 (#920513W1.11256)	Sun-4/20 (under SunOS, 4.1.1)	Motorola MVME167A (68040) (bare machine, using VxWorks 5.0)	*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 VAda-110-7171, Version 6.2 (BASE #921004W1.11278)	IBM RISC System/6000 models 230 & 570 (under AIX 3.2 & AIX BI/CMW)	Same as Host
*Validated by Registration Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Versions 2.0 & 3.0 (BASE #920513W1.11256)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer family (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVME-144; Force CPU-40 Series; Motorola MVME162, MVME165, MVME167, & MVME167A; PEP Modular Computer VM40; Radstone CPU-40; and Tadpole TP41V (bare machine, using vxWorks 5.0)	Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Version 6.2 (#921004W1.11279)	IBM RISC System/6000 model 530H (under AIX 3.2)	Same as Host
Verdix Corporation VADSworks Sun4 => SPARC, VAda-115-40850, Version 2.0 (#920513W1.11257)	Sun-4/20 (under SunOS, 4.1.1)	Sun SPARCengine 1e (bare machine, using VxWorks v5.0)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11280)	ASL 486/33 (under UNIX System V, Release 3.2)	Same as Host
*Validated by Registration Verdix Corporation VADSworks Sun4 => SPARC, VAda-115-40850, Version 2.0 (BASE #920513W1.11257)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Sun SPARCengine 1e (bare machine, using vxWorks 5.0)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11281)	AST Premium 486 (under UNIX System V, Release 4.0)	Same as Host
Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (#920513W1.11258)	Sun-4/260 (under SunOS, Version 4.1.2)	Intel iSBC 386/20p (bare machine)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11282)	NCR model 3450 (under NCR UNIX SVR4 MP-RAS Release 2)	Same as Host
*Validated by Registration Verdix Corporation VADS Sun SPARC => 386/486, VAda-110-40315, Version 6.2 under SunOS4.x (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1 & 4.2)	Any single-board computer that executes the Intel 80386 or i486 instruction set (bare machine)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11283)	NCR model 3550 (under NCR UNIX SVR4 MP-RAS Release 2)	Same as Host
*Validated by Registration Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Intel iSBC 486/133 & 486/166 (bare machines)	Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11284)	RDI Britelite IPX Laptop (under Solaris 2.1)	Same as Host
Verdix Corporation VADSworks DEC-RISC => MIPS R3000, VAda-115-61640, Version 2.0 (#921004W1.11277)	DECstation 5000/200 (under Ultrix V4.1)	Lockheed Sanders STAR MVP board (bare machine, using vxWorks 5.0)	Verdix Corporation VADS Sun-4 Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11285)	SPARCstation LX 4/30 (under Solaris 2.1)	Same as Host
*Validated by Registration Verdix Corporation VADSworks DEC-RISC => MIPS R3000, VAda-115-61640, Version 2.0 (BASE #921004W1.11277)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 4.1, 4.2, & 4.3)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines, using VxWorks 5.0 & 5.1)	*Validated by Registration Verdix Corporation SPARCompiler Ada Porting Kit, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1)	Any Host
			*Validated by Registration Verdix Corporation SPARCworks Professional Ada, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1 & 2.2)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11286)	SPARCstation 10 model 30 (under Solaris 2.1)	Same as Host	*Validated by Registration Verdix Corporation VADS HP 9000 Series 700/800, VAda-110-7575, Version 6.2 (BASE #930226W1.11311)	HP 9000 Series 700 & 800, all models (under HP-UX Versions 8.0 & 9.0, all releases as appropriate)	Same as Host
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11287)	SPARCstation 10 model 41 (under Solaris 2.1)	Same as Host	Verdix Corporation VADSworks Sun-4 => MIPS R3000 VAda-115-40640, Version 2.0 (#930226W1.11312)	Sun-4/20 (under SunOS Release 4.1.1)	Heurikon HKMIPS/3500 (R3000) board (bare machine, using vxWorks 5.0)
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11288)	SPARCstation 10 model 42 (under Solaris 2.1)	Same as Host	*Validated by Registration Verdix Corporation VADSworks Sun-4 => MIPS R3000 VAda-115-40640, Version 2.0 (BASE #930226W1.11312)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Heurikon HKMIPS/V3500;(bare machine, using vxWorks 5.0)
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11289)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host	Verdix Corporation VADS Sun4 => MIPS R3000, VAda-110-42620, Version 6.2 (#930901W1.11323)	Sun SPARCstation 2 (under Solaris 2.2)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdix Corporation Sun Microsystems SPARCompiler Ada 2.1 (BASE #921004W1.11289)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host	Verdix Corporation VADS Sun4 => MIPS R4000, VAda-110-40630, Version 6.2 (#930901W1.11324)	Sun SPARCstation 2 (under SunOS 4.1.2)	Silicon Graphics Indigo XS4000 used as a MIPS R4000 board (bare machine)
Verdix Corporation VADS MP Sun SPARC Solaris 2.1, VAda-110-4141, Version 6.2 (#921004W1.11290)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host	Verdix Corporation VADS Sun4 => Paragon, VAda-110-40782, Version 6.2 (#930901W1.11325)	Sun SPARCstation 2 (under SunOS 4.1.3)	Intel PARAGON Supercomputer (under OSF/1 Release 1.0.3 Server 1.1 PT10.7.6(T10.4))
*Validated by Registration Verdix Corporation Sun Microsystems SPARCworks iMPact Ada 1.0 (BASE #921004W1.11290)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host	Verdix Corporation VADS SYSTEM V/88 RELEASE, VAda-110-8080, Version 6.2 (#930901W1.11326)	Motorola Delta 8640 (under UNIX System V/88 Release 4.0)	Same as Host
*Validated by Registration Verdix Corporation VADS MP Sun SPARC, Solaris 2.0, VAda-110-4141, Version 6.2 (BASE #921004W1.11290)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0 & 2.1)	Any Host	Verdix Corporation VADS System V/88 Release 4, VAda-110-8080, Version 6.2 (#930901W1.11327)	Data General AViiON Model 530 (under DG/UX Release 5.4.2)	Same as Host
Verdix Corporation VADS Silicon Graphics Self, VAda-110-6464, Version 6.2 (#921004W1.11291)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host	Verdix Corporation VADS Windows NT/486, VAda-110-36315, Version 6.2 (#940110W1.11337)	Compudyne 486 (under Windows NT 3.1)	Same as Host
Verdix Corporation VADS MP Silicon Graphics, VAda-110-6565, Version 6.2 (#921004W1.11292)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host	Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (#901129W1.11093)	Wang VS 8480 (under Wang VSOS 7.30.02)	Same as Host
Verdix Corporation VADSself HP 9000 series 700 VAda-110-7575, Version 6.2 (#930226W1.11311)	HP 9000/720 (under HP-UX 8.0.7)	Same as Host	*Validated by Registration Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (BASE #901129W1.11093)	Wang VS Models: 100 & 300; 5430, 5440, 5450 & 5460; 7010, 7110, 7120, 7150 & 7310; 8220, 8230, 8260, 8430, 8460, 8470 & 8480; and 10050, 10075 & 10100 (under all VS OS versions 7.21.xx & 7.30.xx)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (#901127N1.11073) *Validated by Registration	Intergraph InterPro 3050 Workstation (under CLIX R3.1)	Same as Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073) *Validated by Registration	Intergraph Mobile GIS/C2 (under CLIX Release 3.1)	Same as Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073) *Validated by Registration	InterPro 125, 225, 340, 360, 2020, 3070, 6040, 6240, 6080 & 6280 (under CLIX Release 3.1)	Any Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073) *Validated by Registration	InterView 220 & 3050 (under CLIX Release 3.1)	Any Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073) *Validated by Registration	InterAct 220, 2020, 3050, 6040, 6080, 6240 & 6280 (under CLIX Release 3.1)	Any Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073) *Validated by Registration	InterServe 200, 300, 2000, 3000, 4200, 5200, 6000, 6105 & 6505 (under CLIX Release 3.1)	Any Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Series 2400 & 6400--all models that use the C400 chip (under CLIX Release 3.1)	Any Host			

2.7.4 PASCAL PROCESSORS

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC Pascal Version 5.1 for OpenVMS VAX Systems NIST-94/2006; Level 0/1; 9/1/95	VAX 6000-540; OpenVMS VAX Version 6.0	VAXft Models 110, 310, 410, 610, 612; 4000 Models 100, 200, 300, 400, 500, 600; 6000 Models 200, 300, 400, 500, 600; 7000 Model 600; 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; 9000 Models 110, 210, 300 series, 400 series; 10000 Models 600 series; VAX-11/730, /750, /780, /785; MicroVAX II; 2000; 3100 Models 10/10E, 20/20E, 30, 40, 80, 90; 3300, 3400, 3500; 3600; 3800; 3900; VAXstation II; 2000, 3100 Models 30, 38, 40, 48, 76; 3200, 3500, 3520, 3540, 4000 Models 60, 90, VLC; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900, 4000 Models 200, 300, 500; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520, 610, 620, 630; OpenVMS VAX, Version 6.0
	DEC Pascal Version 5.1 for DEC OSF/1 AXP Systems; NIST-94/2004; Level 0/1; 9/1/95	DEC 3000 Model 400; DEC OSF/1 AXP Version 2.0 Revision 240	DEC 2000 model 300S AXP; 3000 model 300 AXP, 300L AXP, 400 AXP, 400S AXP, 500 AXP, 500S AXP, 600 AXP, 600S AXP, 800 AXP, 800S AXP; 4000 models 600 AXP series, 710 AXP; 7000 model 600 AXP series; 10000 models 600 AXP series; DEC OSF/1 AXP Version 2.0 Revision 240
	DEC Pascal Version 5.2 for OpenVMS AXP Systems; NIST-94/2005; Level 0/1; 9/1/95	DEC 3000 Model 500; OpenVMS AXP Version 6.1	DEC 2000 models 300S, 500; Digital 2100 A500/600MP; AXPvme 64; DEC 3000 models 300, 300L, 300LX, 300X, 400, 400S, 500, 500S, 500X, 600, 600S, 800, 800S; 4000 models 600 AXP series, 700 series, 7000 model 600 AXP Series; DEC 10000 model 600 AXP series; OpenVMS AXP Version 6.1
IBM Canada Ltd.	IBM AIX XL Pascal Compiler/6000 Version 1 Release 1; NIST-94/1521; Level 0/1; 4/1/95	IBM RISC System /6000 POWERstation /POWERserver 560; IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System/6000 POWERstation/POWERserver Models 25T, 25W, 58H, 220, 250, 320H, 34H, 340, 350, 360, 370, 520H, 530, 540, 550, 560, 560F, 590, 730; AIX for RISC System/6000 Version 3 Release 2 IBM RISC System/6000 POWERserver Models 25S, 990, 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
	IBM AIX XL Pascal Compiler/6000 Version 2 Release 1; NIST-94/1522; Level 0/1; 4/1/95	IBM RISC System /6000 POWERstation /POWERserver 560; IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System/6000 POWERstation/POWERserver Models 25T, 25W, 58H, 220, 250, 320H, 34H, 340, 350, 360, 370, 520H, 530, 540, 550, 560, 560F, 590, 730; AIX for RISC System/6000 Version 3 Release 2 IBM RISC System/6000 POWERserver Models 25S, 990, 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
Intergraph Corporation	Pascal-Clipper Version 1.8.4B; NIST-94/1102; Level 0/1; 12/1/94	Clipper Model 2730; CLIX Version 7.1.3	Clipper C300 and C400; CLIX Version 7.1.3

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Sunsoft, a Sun Microsystems, Inc. Business	SPARCompiler Pascal Version 3.0.2; NIST-93/2183; Level 0/1; 2/1/95	SPARCstation 10; Solaris Version 2.3	

2.7.5 C PROCESSORS

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC OSF/1 for AXP C Version 2.0; NIST-93/2144; 12/1/94	DEC 3000 Model 400; DEC OSF/1 for AXP Version 2.0	DEC 3000 400, 500; DEC 4000 610; DEC 7000 610; DEC 10000 610; DEC OSF/1 for AXP Version 2.0
	DEC C for RISC/Ultrix Version 1.2a Release 1; NIST-93/2145; 12/1/94	DECstation 5000/200; Ultrix Version 4.4	DECstation 2100, 3100; Personal DECstation 5000 mods 20/25 MX, HX, TX, PXG+, PXG Turbo+; DECstation 5000 mods 120/125/133 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo, PXG Turbo+; Models 200 MX CX HX, PX, TX, PXG PXG+ PXG Turbo, PXG Turbo+; Models 240 MX, HX, TX, PXG+, PXG Turbo+; DECsystem 3100; 5000 Models 25, 200, 240; 5100; 5400; 5500; 5810; 5820; 5830; 5840; 5900; Ultrix Version 4.4
	DEC OSF/1 C Compiler Version 3.0; NIST-94/2007; 9/1/95	DEC 3000 Model 400 AXP; DEC OSF/1 Version 3.0	DEC 2000 models 300 AXP, 500 AXP; 2100 Server A500MP, A600MP; 3000 models 300 AXP, 300L, 300X, 300LX, 400 AXP, 400S, 500 AXP, 500S, 600 AXP, 600S, 800 AXP, 800S; 4000 models 610 AXP, 710; 7000 model 610 AXP; 10000 model 610 AXP; DEC OSF/1 Version 3.0
	DEC C for OpenVMS VAX Version 4.0; NIST-94/2009; 9/1/95	VAX 4000 Model 90; OpenVMS VAX Version 6.1	Q-bus Based Systems: MicroVAX II, VAXstation II/GPX[1], VAXstation II/QVSS[2] 1. Graphics Processing Accelerator (GPX) 2. Q-bus Video Sub System (QVSS); VAXserver 3200, 3300, 3400, 3500, 3600, 3800, 3900; 4000, Models 200, 300, 400, 500, 600; VAXstation 3200 3500, 3520, 3540; MicroVAX 3200, 3300, 3400, 3500, 3600, 3800, 3900, VAX 4000, Models 100, 200, 300, 500, 600; 50, 100A, 500A, 600A, 700A; NMI Bus Based Systems: VAX 8530, 8550, 8700, 8800, 8810, 8820, 8830, 8840; VAXserver 8530, 8550; 8700; 8800, 8810, 8820, 8830, 8840; XMI Bus Based Systems: VAX 6000 Series, Models 210, 220, 230, 240; 310, 320, 330, 340, 360; 410, 420, 430, 440, 450, 460; 510, 520, 530, 540, 550, 560; 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 10000 Models 610, 620, 630, 640, 650, 660; VAXserver 6000, Models 210, 220, 310, 320, 410, 420, 510, 520; 8530, 8550; 8700; 8800, 8810, 8820, 8830, 8840; VAX 8530, 8550, 8700, 8800, 8810, 8820, 8830, 8840; VAXBI Bus Based Systems: VAX 8200, 8250, 8300, 8350, VAXserver 8200, 8250; 8300, 8350; SBI Bus Based Systems: VAX 11/780, 11/785; 8600, 8650, VAXserver 8600, 8650; CMI Bus Based Systems: VAX 11/750; Special System Specific Internal Bus: VAX 11/730; MicroVAX 2000, VAXstation 2000, 2000/GPX, 2000/MFB[3]; 3. Monochrome Frame Buffer (MFB) VAXft 3000, Models 110, 310, 410, 610, 612; MicroVAX 3100, Models 10, 10E, 20, 20E, 30, 40, 80, 90; VAXserver 3100, Models 10, 10E, 20, 20E; VAXstation 3100, Models 30, 38, 40, 48, 76; 3100/GPX, Models 38, 48, 76; 3100/SPX[4], Models 38, 48, 76; 4. 2D Scanline Processor Accelerator Graphics System (SPX); VAXstation 4000, Models 60, 90; 4000-VLC; VAX 9000, Models 110, 110VP[5], 210, 210VP, 310, 310VP; 5. Vector Processor (VP); VAX 9000, Models 320, 320VP, 330, 330VP, 340, 340VP; 410, 410VP, 420, 420VP, 430, 430VP; 440, 440VP OpenVMS VAX, Version 6.1

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	DEC C for OSF/1 AXP Version 4.0; NIST-94/2008; 9/1/95	DEC 3000 Model 400; DEC OSF/1 Version 3.0	Alpha AXP; DEC 2000 models 300 AXP, 500 AXP; 2100 Server A500MP, A600MP; 3000 models 300 AXP, 300L, 300X, 300LX, 400 AXP, 400S, 500 AXP, 500X, 600 AXP, 600S, 800 AXP, 800S; 4000 models 610 AXP, 710; 7000 model 610 AXP; 10000 model 610 AXP; DEC OSF/1 Version 3.0
	DEC C for OpenVMS AXP Version 4.0; NIST-94/1405; 4/1/95	DECstation 3000 Model 400; OpenVMS AXP Version 6.1	DEC 2000 Model 300S AXP; 3000 Models 300 AXP, 300L AXP, 300X AXP, 300LX AXP, 400 AXP, 400S AXP, 600 AXP, 600S AXP, 800 AXP, 800S AXP; Digital 2100 A600/600 MP; DEC 4000 Models 600 AXP, 700 AXP; DEC 7000 Models 600 AXP; 10000 Model 600 AXP; OpenVMS AXP, Version 6.1
Encore Computer Corporation	C Version 1.3.0; NIST-93/2261; 11/1/94	Encore 91; UMAX V, Version 3.0.9	ENCORE INFINITY 90, R/T; UMAX V, Version 3.0.9 ENCORE 93; UMAX V, Version 3.1.3
Hewlett-Packard Company	HP C/HP-UX Version A.09.60 Release HP-UX 9.0; NIST-94/1221; 1/1/95	HP9000 Model 720; HP-UX Version 9.0	HP9000 Models 8xx, 7xx, 6xx, FxO, GxO, HxO, IxO; HP-UX Version 9.0
	HP C/iX Version A.05.02 Release MPE/iX 5.0; NIST-94/1222; 1/1/95	HP3000 Model 967; MPE/iX Version 5.0	HP3000 Model 9xx; MPE/iX Version 5.0
	HP C/HP-UX Version B.08.36 Release HP-UX B.09.00; NIST-94/1223; 1/1/95	HP9000 Model 42S; HP-UX Version B.09.00	HP9000 Models 3xx, 4xx; HP-UX Version B.09.00
IBM Canada Ltd.	IBM C Set ++ for AIX Version 3 Release 1; NIST-94/2025; 9/1/95	IBM RISC System/6000; IBM AIX Version 4 Release 1	
	IBM C for AIX Version 3 Release 1; NIST-94/2026; 9/1/95	IBM RISC System/6000; IBM AIX Version 4 Release 1	
	IBM ILE C/400 Version 2 Release 3; NIST-93/1963; 10/1/94 (pending)	AS/400 Model 9406/E90; OS/400 Version 2 Release 3	9402 System Models D02, E02, C04, D04, E04, C06, D06, E06, F02, F04, F06; 9404 System Models B10, C10, D10, E10, B20, C20, D20, E20, C25, D25, E25, F10, F20, F25; 9406 System Models B30, B35, B40, B45, B50, B60, B70, D35, E35, D45, E45, D50, E50, D60, E60, F80, F90, F95, D70, E70, D80, E80, E90, E95, F35, F45, F50, F60, F70; OS/400 Version 2 Release 3
	IBM C/370 Compiler Version 2 Release 1; NIST-94/2021; 9/1/95	ES/9000; MVS/ESA SP Version 4 Release 3	3090, 308x, 43xx, 937x; MVS/ESA SP Version 4 Release 3

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	IBM SAA AD/Cycle C/370 Compiler Version 1 Release 2; NIST-94/2022; 9/1/95	ES/9000; MVS/ESA SP Version 4 Release 3	3090, 308x, 43xx, 937x; MVS/ESA SP Version 4 Release 3
	IBM SAA AD/Cycle C/370 Compiler Version 1 Release 2; NIST-94/2023; 9/1/95	ES/9000; MVS/ESA SP Version 4 Release 3	3090, 308x, 43xx, 937x; MVS/ESA SP Version 4 Release 3
	IBM SAA AD/Cycle C/370 Compiler Version 1 Release 2; NIST-94/2024; 9/1/95	ES/9000; VM/ESA Version 1 Release 2.1	3090, 308x, 43xx, 937x; VM/ESA Version 1 Release 2.1
Intel SSD	CC Compiler Version R4.5; NIST-93/1782; 11/1/94	XP/5; OSF/1AD Release R1.1	
Intergraph Corporation	Clipper Advanced Optimizing C Version 1.57; NIST-94/1103; 12/1/94	Clipper Model 2730; CLIX Version 7.1	Clipper C3000 and C4000; CLIX Version 7.1
	Clipper Advanced Optimizing C Version 2.0; NIST-94/1105; 12/1/94	Clipper Model 2730; CLIX Version 7.1	Clipper C300 and C400; CLIX Version 7.1
Microsoft Corporation	Microsoft C/C++ Optimizing Compiler Version 9.00; NIST-94/2141; 10/1/95	MIPS/NEX Model Image RISCStation; Microsoft Windows NT Version 3.5	Unisys X-Series Deskside/LX; Compaq Deskpro XE560; IBM Valuepoint 6384-199; Microsoft Windows NT Version 3.5
	Microsoft C/C++ Optimizing Compiler Version 9.00; NIST-94/2142; 10/1/95	Unisys X-Series Deskside/LX, model x-series Deskside/LX Microsoft Windows NT Version 3.5	Unisys X-Series Deskside/LX; Compaq Deskpro XE560; IBM Valuepoint 6384-199; Microsoft Windows NT Version 3.5
	Microsoft C/C++ Optimizing Compiler Version 9.00; NIST-94/2143; 10/1/95	Compaq Model Deskpro XE560; Microsoft Windows NT Version 3.5	Unisys X-Series Deskside/LX; Compaq Deskpro XE560; IBM Valuepoint 6384-199; Microsoft Windows NT Version 3.5
	Microsoft C/C++ Optimizing Compiler Version 9.00; NIST-94/2144; 10/1/95	IBM Valuepoint 6384-199 Microsoft Windows NT Version 3.5	Unisys X-Series Deskside/LX; Compaq Deskpro XE560; IBM Valuepoint 6384-199; Microsoft Windows NT Version 3.5
NCR Corporation	NCR C Development Toolkit Release 2; NIST-94/1121; 1/1/95	NCR System 3000 Model 3550; NCR UNIX SVR4 MP-RAS Release 2 Version SVR4	NCR System 3000 Models 3335, 3340, 3345, 3350, 3360, 3410, 3430, 3445, 3447, 3450, 3455, 3470, 3475, 3520, 3525, 3555, 3570, 3575, 3600; NCR UNIX SVR4 MP-RAS Rel. 2

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Pyramid Technology Corp.	DC/OSx ANSI C, Version 3.11 Release c07x; NIST-94/1541; 5/1/95	MIServer-ES; DC/OSx Version 1.1 Release c07x	MIServer-S; DC/OSx Version 1.1 Release c07x
	DC/OSx ANSI C, Version 3.11 Release d07x; NIST-94/1542; 5/1/95	MIServer-NILE; DC/OSx Version 1.1 Release d07x	
SCO Canada, Inc.	SCO XPG4 Development System Supplement Version 1.0; NIST-94/1661; 4/1/95	DELL 486 Model 450DE/2 DGX; SCO UNIX Version 3.2 Release 4.2	
Sequent Computer Systems, Inc.	ptx/C Version 2 Release 1.0; NIST-93/2003; 2/1/95	S2000/250; DYNIX/ptx Version 2 Release 1.0	S2000/450, S2000/750; DYNIX/ptx Version 2 Release 1.0
Silicon Graphics Computer Systems, Inc.	C Version SC4-ANSIC-3.19; NIST-94/1443; 10/1/95	4D/CRIM model IP17; IRIX Version 5.3	
	MIPS PRO C Version SC4-ANSIC-6.0; NIST-94/1444; 10/1/95	Challenge model IP21; IRIX Version 6.0	
Sunsoft, A Sun Microsystems, Inc. Business	SPARCompiler C Version 3.0; NIST-93/2184; 2/1/95	SPARCstation 10 SPARCserver 1000; Solaris Version 2.3	
	SPARCompiler C Version 3.0.1; NIST-94/1744; 9/1/95	SPARCstation 5 SPARCstation 20; Solaris Version 2.4	Voyager, SPARCstation 10, SPARCserver 1000, SPARCcenter 2000; Solaris Version 2.4
	ProCompiler C Version 2.0.1; NIST-94/1745; 9/1/95	Gateway 2000 486/33E; UnixWare Version 1.1	
Tandem Computers Incorporated	C Version D20 Release D20; NIST-93/2041; 10/1/94 (pending)	NonStop VLX; NonStop Kernel Version D20 Release D20	
Unisys	UCS C (UC) Version 4R1 Release SB5R1; NIST-93/2221; 11/1/94	2200 Model 900; 1100 OS EXEC Version 44R1 Release SB5R1	1100/90, 2200/400, 2200/600; 1100 OS EXEC/44R1

2.7.6 MUMPS PROCESSORS

No entries at this time.

2.8 LANGUAGE PROCESSORS
WITH REGISTERED REPORTS ONLY

2 - 65

No entries at this time.

3. DATABASE LANGUAGE (SQL)

3.1   FIPS Database Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies, when acquiring SQL processors, are responsible for assuring that processors are in accordance with the applicable FIPS PUB 127, Database Language SQL. On December 3, 1993, FIPS PUB 127-2 superseded FIPS PUB 127-1.

3.2   Organization of Database Language Processor Entries

Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from the Software Standards Validation Group at NIST. See 3.4 and 3.5 below.

Products validated for conformance to FIPS PUB 127-2 are listed first, followed by products validated for FIPS PUB 127-1. Products that demonstrated one or more nonconformities, as assessed by the SQL Validation System, are listed separately at the end. (These products are considered "provisionally" validated, pending correction of nonconformities.)   The entries in the VPL for database language processors are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the processor.

- The PROCESSOR ID column contains the name of the processor, its version number, the VSR number, and the Expiry date of the Validation Certificate or the Registered VSR. The term "Pre-release" means that the vendor has designated the SQL processor as "not commercially available" at the time of validation. The product is listed to assist users in planning for future procurements. The term "Vendor-Tested Port" means the Vendor has complied with CSL procedures for self-testing a ported version of a registered SQL processor. NIST has reviewed Vendor test results and determined them to be equivalent to those in the referenced BASE VSR.

- The INTERFACES & COMPILERS column contains the names of associated interactive SQL or programming language interfaces, and identification of the programming language compilers that interface with the SQL processor. A listing in the COMPILERS column is not an indication that the compiler has been validated for the applicable programming language standard. See the preceding "Programming Languages" Section for a list of validated compilers.

- The HARDWARE & OPERATING SYSTEM column presents the hardware and operating system environment used during the validation.

- The entries in the OTHER HW/SW ENVIRONMENTS column include other hardware and operating system environments in which the processor operates, and the programming language compilers that interface with the SQL processor. The listings of the compilers and operating systems may contain a range of versions that are supported. Rebadged or renamed software are also listed here. This column is restricted to binary-compatible hardware environments.

- The NONCONFORMITIES column lists the number and type of nonconformities for each programming language interface tested. "Schema" nonconformities are deficiencies in support for standard schema definition language constructs. "FIPS Flagger" in this column indicates that the mandatory FIPS Flagger requirement of FIPS 127 was not implemented. Refer to the VSR for details. The number of nonconformities is only one limited measure of the quality of an SQL interface. It is more important to analyze the nature of each individual nonconformity and its impact on meeting user requirements.

3.3   Validation Requirements

Refer to Database Language SQL Validation Procedures. The requirements for validation of database language processors are the same as those for programming language processors, listed in section 2.3.1, with several exceptions. Expired VSRs are deleted from the VPL to motivate vendors to test new releases of their SQL processors and to demonstrate conformance to more comprehensive versions of the SQL Test Suite. Information about expired VSRs or vendor self-testing with the SQL Test Suite may be available from the vendor.

3.4   Certificate of Validation

A Certificate of Validation is issued for those SQL processors that have been tested and are considered to be in compliance with FIPS as specified by the FIPS, by the FIRMR, and the associated Federal ADP and Telecommunications Standards Index.

3.5   Registered Report

A Validation Summary Report (VSR) that indicates that the SQL processors did not meet the criteria for a Certificate of Validation may be registered by the Computer Systems Laboratory. A VSR is considered registered by CSL when it contains a signed notice that the VSR will be listed in the CSL Validated Products List (VPL).

3.6   Validation Procedures

SQL processors are tested in accordance with the procedures described in the NIST Database Language SQL Validation Procedures. To request a copy of the validation procedures and/or to request the validation of an SQL processor, contact:

    National Institute of Standards and Technology
    Computer Systems Laboratory
    Software Standards Validation Group
    Building 225, Room A266
    Gaithersburg, Maryland 20899   (U.S.A.)
    Telephone (301) 975-2490 (Voice)
            (301) 975-3274 (Voice)
            (301) 948-6213 (FAX)
    e-mail: dashiell@speckle.ncsl.nist.gov (INTERNET)

3.7   SQL Validation System

To request a copy of the SQL Validation System and/or to submit questions regarding the SQL Validation System, contact:

    National Institute of Standards and Technology
    Computer Systems Laboratory
    Database Languages Group
    Building 225, Room A266
    Gaithersburg, Maryland 20899   (U.S.A.)
    Telephone (301) 975-3258 (Voice)
            (301) 975-3263 (Voice)
            (301) 948-6213 (FAX)
    e-mail: sullivan@ecf.ncsl.nist.gov (INTERNET)

3.8 SQL PROCESSORS

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS

FIPS 127-2 - ZERO NONCONFORMITIES

[Entry FIPS 127-2 exceeds requirements for FIPS 127-1 with Integrity Enhancement Option]

Digital Equipment Corporation	DEC Rdb for OpenVMS VAX Version 6.0; NIST-94/7111; 03/31/95; VAXstation 3500; OpenVMS VAX, V. 5.4-3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Module Ada VAX Ada Version 2.3 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 5.1 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.8 Embedded PASCAL Module PASCAL VAX Pascal Version 4.4 Interactive SQL (FIPS Default)	VAX 4000 Models 100, 200, 300, 400, 500, 600; VAX 6000 Models 200, 300, 400, 500, 600; VAX 7000 Model 600; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8598, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 Models 110, 210, 300, 400; VAX 10000 Model 600; VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785; MicroVAX's II, 2000, 3100 Models 10/10E, 20/20E, 30, 40, 80, 90; MicroVAX's 3200, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation's II, 2000, 3100 Models 30, 38, 40, 48, 76; VAXstation's 3200, 3500, 3520, 3540, 4000 Models 60, 90, VLC; VAXservers 3100, 3200, 3300, 3400, 3500, 3600, 3800, 3900, 4000 Models 200, 300, 400, 500, 600, 700; VAXserver 6000 Models 200, 300, 400, 500, 600 Series; VAXservers 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8830, 8840 OpenVMS VAX, Vers. 5.4, 5.5, 6.0 VAX Ada V2.0 - 2.3 VAX C V3.0 - 3.2 VAX COBOL V4.2-4.4 VAX COBOL V5.0-5.1 VAX Fortran V5.0 - 5.9 VAX Pascal V4.0 - 4.4
	DEC Rdb for OpenVMS AXP Version 6.0; NIST-94/7112; 03/31/95; DEC 2000 Model 300; OpenVMS AXP, V. 1.5 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Module Ada DEC Ada for OpenVMS AXP, Version 3.0 Embedded C Module C DEC C for OpenVMS AXP, Version 1.3 Embedded COBOL Module COBOL DEC COBOL for OpenVMS AXP, Version 1.1 Embedded FORTRAN Module FORTRAN DEC FORTRAN for OpenVMS AXP, V.6.1 Embedded PASCAL Module PASCAL DEC Pascal for OpenVMS AXP, Version 5.1 Interactive SQL (FIPS Default)	DEC 2000 Model 300, DEC 3000 Models 300, 400 AXP Workstation, DEC 3000 Model 400 AXP Server, DEC 3000 Model 500 AXP Workstation, DEC 3000 Model 500 AXP Server, DEC 4000 Model 610 AXP System, DEC 7000 Model 610 AXP System, DEC 10000 Model 610 AXP System OpenVMS AXP Ver. 1.5 DEC Ada for OpenVMS AXP V.3.0 DEC C for OpenVMS AXP V. 1.3-1.4 DEC COBOL for OpenVMS AXP V. 1.1-2.0 DEC Fortran for OpenVMS AXP V.6.1-6.2 DEC Pascal for OpenVMS AXP V.5.0-5.1

3 - 3

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Informix Software, Inc.	INFORMIX-OnLine Version AN6.00 Pre-release; NIST-94/7041; 1/1/95; Sun SPARCstation 10; SunOS V.4.1.3_DBE1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version AN 6.00 Native C for SunOS 4.1.3 Embedded COBOL INFORMIX-ESQL/ COBOL Version AN 6.00 Micro Focus COBOL V3.0.54-Be Interactive SQL (FIPS Default) INFORMIX DB-Access Version AN 6.00	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOs V. 4.1.3_DBE1.3
	INFORMIX-OnLine Version NC6.00 Pre-release; Vendor-Tested Port BASE VSR NIST-94/7041; 1/1/95; Hewlett Packard 9000/715; HP-UX A.09.01 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version NC6.00 HP Version A.08.71	HP 9000 Series 635, 645 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 HP 9000 HP-UX
	INFORMIX-OnLine Version NC6.00 Pre-release; Vendor-Tested Port BASE VSR NIST-94/7041; 1/1/95; IBM RS6000 POWER-server 360; AIX 3.2 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version NC6.00 HP Version A.08.71	RISC System/6000 POWERstation/ POWERserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC System/6000 POWERserver 25S, 930, 950, 970, 990
Ingres, An ASK Company	OpenINGRES SQL, Release 1.0, OpenINGRES Intelligent Database; NIST-94/7121; 5/31/95; SUN SparcStation10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada SUN Ada, Version 1.0 Embedded C SUN C Version 2.0.1 Embedded FORTRAN SUN Fortran Version 2.0.1	ESQL/Ada, Rel. 1.0 ESQL/C Rel. 1.0 ESQL/FORTRAN Rel. 1.0

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	OpenINGRES SQL, Release 1.0, OpenINGRES Intelligent Database; NIST-94/7122; 5/1/95; DEC VAXstation 3100, Model 38; VAX/VMS Version 5.5 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada VAX Ada, V. 3.0.7 Embedded C VAC C, V. 3.2-044 Embedded FORTRAN VAX Fortran, V. 6.0-1	ESQL/Ada, Rel 1.0 ESQL/C, Rel. 1.0 ESQL/FORTRAN, Rel. 1.0
	OpenINGRES SQL, Release 1.0, OpenINGRES Intelligent Database; NIST-94/7123; 5/31/95; IBM RISC System 6000, Model 530; IBM AIX for RISC System 6000 Version 3.2 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Verdix Ada, V. 6.1 Embedded C IBM XL C Compiler V. 1.2 Embedded FORTRAN IBM XL FORTRAN Compiler V.2.3	ESQL/Ada Rel. 1.0 ESQL/C Rel. 1.0 ESQL/FORTRAN Rel. 1.0
Oracle Corporation	ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7521; 11/1/94; SUN SPARCstation 10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, Version 1.6 Native C, bundled with SunOS Version 4.1.3	
	ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7522; 11/1/94; SUN SPARCstation 10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 2.0 Native C, bundled with SunOS Version 4.1.3	

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7523; 11/1/94; SUN SPARCstation 10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Pro*Ada, V. 1.6 Verdix Ada Development System (VADS) SUN Ada, V. 1.1	
	ORACLE7, Release 7.1; NIST-94/7141; 6/30/95; SUN SPARCstation 10; SunOS V. 5.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 1.6 SPARCompiler C Rel. 3.0	
	ORACLE7, Release 7.1; NIST-94/7142; 6/30/95; Sequent 2000/700; DYNIX/ptx V. 2.1 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 1.6, 2.0 DYNIX/ptx Native C	
	ORACLE7, Release 7.1; NIST-94/7143; 6/30/95; SUN SPARCstation 10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Module C SQL*Module for C Version 1.0 SunOS V. 4.1.3 SPARCompiler C Rel. 3.0	
Sybase, Inc.	Sybase System 10 Pre-release 10.0.1; NIST-94/7061; 1/1/95; Client: Sun 4/690 SunOS Version 4.1.2 Server: Sun 4/690 SunOS Version 4.1.2 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Schema Processor Interactive SQL (isql) Release 10.0.1 Embedded C Sybase System 10 Embedded SQL/C pre-release 10.0.1 gcc version 2.3.1	

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Sybase System 10 GA Release 10.0.1; NIST-94/7131; 4/30/95; Client: Sun 4/25 SunOS V. 4.1.3 Server: Sun 4/25 SunOS V. 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Schema Processor Interactive SQL (isql) Release 10.0.1 Embedded C Sybase System 10 Embedded SQL/C GA 10.0.1 gcc version 2.3.1	

<div align="center">FIPS 127-1 - ZERO CONCONFORMITIES</div>

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Cincom Systems, Inc.	SUPRA Server, Version 3.2 Pre-release; NIST-93/7481; 12/1/94; SUN SPARCstation 2; SunOS Release 4.1.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement FIPS Sizing Defaults FIPS Flagger	Embedded SQL C SUPRA C Precompiler V. 3.2 Pre-release C bundled with SunOS Release 4.1.1 Embedded SQL COBOL SUPRA COBOL Precompiler V. 3.2 Pre-release SUN COBOL V. 1.0 Interactive SQL SUPRA I/SQL V. 3.2 Pre-release	
	SUPRA Server, Version 3.2 Pre-release; NIST-93/7482; 12/1/94; SUN SPARCstation 2; SunOS Release 4.1.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement FIPS Sizing Defaults FIPS Flagger	Embedded SQL Ada SUPRA Ada Precompiler, V. 3.2 Pre-release SUN Ada V. 1.1	
Digital Equipment Corporation	VAX Rdb/VMS Version 4.1; NIST-92/7351; 10/01/95; VAXstation 3500 and VAX 8800; VAX/VMS V. 5.4-3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada V. 2.2 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.4-3 VAX Ada V2.0-2.2 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	VAX Rdb/VMS Version 4.1; NIST-92/7352; 10/01/95; VAXstation 4000 Cluster; VAX/VMS V. 5.5-2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada V. 2.1 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.5-2 VAX Ada V2.0-2.1 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAX Rdb/VMS Version 4.2; NIST-92/7353; 10/01/95; VAXstation 3500 and VAX 8800; VAX/VMS V. 5.4-3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada V. 2.2 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.4-3 VAX Ada V2.0-2.2 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAX Rdb/VMS Version 4.2; NIST-92/7354; 10/01/95; VAXstation 4000 Cluster; VAX/VMS V. 5.5-2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada V. 2.1 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.5-2 VAX Ada V2.0-2.1 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
IBM Corporation	Database 2 (DB2) Version 3; NIST-93/7441; 8/1/94; IBM ES90009021-720; MVS/ESA SP Version 4 Release 1 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C IBM C/370 V.2 Rel.1 Embedded COBOL IBM SAA AD/CYCLE COBOL/370 V.1 Rel.1 Embedded Fortran IBM VS FORTRAN V.2 Rel.5	
Informix Software Inc.	INFORMIX-OnLine/ Secure Version 5.00; NIST-93/7301; 12/1/95; RDI BriteLite IPX Laptop; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/ SAME V.5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C V. 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4c sparc Solaris 2.1
	INFORMIX-OnLine/ Secure Version 5.00; NIST-93/7302; 12/1/95; Sun SPARCstation 10, Model 30; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C V. 5.00 Sun ANSI C V.2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access V. 5.00	Sun4m sparc Solaris 2.1
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7303; 12/1/95; Sun SPARCstation 10, Model 41; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4m sparc Solaris 2.1

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7304; 12/1/95; Sun SPARCstation 10, Model 42; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V.2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4m sparc Solaris 2.1
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7305; 12/1/95; Sun SPARCstation 4/30; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4m sparc Solaris 2.1
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7306; 12/1/95; Alpha Systems Lab PC Model ASL 486/33; Sun Interactive Unix, V. 3.0.1, Rel. 3.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Verdix VADS System V/386/486 V. 6.1 Embedded C INFORMIX-ESQL/C Version 5.00 Interactive ANSI C Version 3.0 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Intel 486 Sun Interactive Unix, V. 3.0.1, Rel. 3.2
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7307; 12/1/95; Hewlett-Packard 9000 Series 800 Model 867; HP BLS A.08.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	HP9000 Series 800, Series 700 HP BLS A.08.08-09

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7308; 12/1/95; Hewlett-Packard 9000 Series 800 Model 827; HP BLS A.08.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C V. 5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	HP9000 Series 800, Series 700 HP BLS A.08.08-09
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7309; 12/1/95; Hewlett-Packard 9000 Series 800 Model 807; HP BLS A.08.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C V.5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access V.5.00	HP9000 Series 800, Series 700 HP BLS A.08.08-09
	INFORMIX-OnLine Version 5.02; NIST-94/7042; 1/1/95; Sun SPARCstation 10; SunOS Version 4.1.3_DBE1.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.02 Sun Ada V. 1.10 Embedded C INFORMIX-ESQL/C V.5.02 Native C for SunOS 4.1.3 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.02	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOS V. 4.1.3 SunOS V. 4.1.3_DBE1.3
	INFORMIX-OnLine/Secure-C2 Version 5.00; NIST-94/7048; 1/1/95; INFORMIX-OnLine/Secure-C2 Version DR6.00; NIST-94/7047 1/1/95; Sun SPARCstation 10 Model 20; Solaris V. 2.3	Embedded C INFORMIX-ESQL/C Version 5.00 SPARCompiler C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 Solaris V. 2.3

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	INFORMIX-OnLine/Secure-C2 Version 5.00; NIST-94/7051; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 DEC Ada V. 3.1-5	DEC/1000, DEC/2000, DEC/3000, DEC/3000 Models 400 500, DEC 4000, DEC 4000 Models 610, DEC 7000,
	INFORMIX-OnLine/Secure-C2 Version DR6.00; NIST-94/7057; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00 DEC OSF/1 AXP Compiler Driver V.3.11	DEC 7000 Model 610, DEC/10000, DEC/1000 Model 610 OSF/1 V. T2.0
	INFORMIX-OnLine/Secure-B1 Version 5.00; NIST-94/7055; 1/1/95;	Interactive SQL (FIPS Default) INFORMIX DB-Access	
	INFORMIX-OnLine/Secure-B1 Version DR6.00; NIST-94/7059; 1/1/95; DEC 3000; OSF/1 Version T2.0 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	INFORMIX-OnLine Version 5.01; NIST-94/7052; 1/1/95; DEC 3000; OSF/1 V. T2.0 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.01 DEC Ada V. 3.1-5 Embedded C INFORMIX-ESQL/C Version 5.01 DEC OSF/1 AXP Compiler Driver V. 3.11 Interactive SQL (FIPS Default) INFORMIX DB-Access	DEC/1000, DEC/2000, DEC/3000, DEC/3000 Models 400 500, DEC 4000, DEC 4000 Model 610, DEC 7000, DEC 7000 Model 610, DEC/10000, DEC/1000 Model 610 OSF/1 Version T2.0

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7081; 1/1/95; INFORMIX-OnLine/ Secure-C2 V. DR6.00; NIST-94/7087; 1/1/95; INFORMIX-OnLine/ Secure-B1 V.5.00; NIST-94/7085; 1/1/95; INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7089; 1/1/95; Hewlett Packard 9000/720; HP-UX V. A.08.09 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 HP/Alsys Ada/700 Version A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 Hewlett Packard C Version A.08.71 Interactive SQL (FIPS Default) INFORMIX DB-Access	HP9000 Series 635, 645, 705, 710, 715/ 33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/ 200, 870/300, 870/400, 877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 HP-UX V. A.08.09
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7091; 1/1/95; INFORMIX-OnLine/ Secure-C2 V. DR6.00; NIST-94/7098; 1/1/95; INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7095; 1/1/95; INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7099; 1/1/95; IBM POWERstation 320; AIXCMW Version 3.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 Verdix VADS IBM RISC System/6000 AIX 3.2 V. 6.1 Embedded C INFORMIX-ESQL/C Version 5.00 IBM AIX XL C Compiler/6000 Version 1.02 Interactive SQL (FIPS Default) INFORMIX DB-Access	RISC System/6000 Powerstation/ Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC System/6000 Power- server 25S, 930, 950, 970, 990 AIX Version 3.2 AIXCMW Version 3.2

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Ingres, The ASK Group	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7501; 10/1/94; SUN SparcStation2; SunOS V. 4.1.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Verdix Ada, Version 6.0.3 Embedded C SUN C V. 1.0 Embedded FORTRAN SUN Fortran V. 1.4	ESQL/Verdix Ada, Rel. 6.5 ESQL/C Rel. 6.5 ESQL/FORTRAN Rel.6.5
	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7502; 10/1/94; VAX 6000-410; VAX/VMS V. 5.5 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada VAX Ada, V. 2.0-18 Embedded C VAX C, V. 3.1-051 Embedded FORTRAN VAX FORTRAN, Version 4.5-219	ESQL/Ada, Rel 6.5 ESQL/C, Rel. 6.5 ESQL/FORTRAN, Rel.6.5
	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7503; 10/1/94; IBM RISC System 6000, Model 530; IBM AIX for RISC System 6000 V. 3.2.3 Features Tested: Level 2 ANSI Enhancement Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C IBM XL C Compiler Version 1.2 Embedded FORTRAN IBM XL FORTRAN Compiler V. 2.2	ESQL/C Rel. 6.5 ESQL/FORTRAN Rel. 6.5
Oracle Corporation	ORACLE7, Release 7.0; NIST-93/7101; 11/1/95; IBM RISC System 6000 Model 530H; IBM AIX for RISC System/6000, V.3 Rel.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V.1.5 VADS IBM RISC System/6000, AIX 3.2, VAda 110- 7171, Version 6 Embedded C Pro*C, V. 1.5 IBM XL C Compiler/ 6000, Version 1.2	IBM RISC System 6000 Models 220, 320, 320H, 340, 350, 520, 520H, 540, 550, 560, 730, 930, 950, 970 AIX for RISC System/ 6000, V. 3 Rel. 2

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	ORACLE7, Release 7.0; NIST-93/7102; 11/1/95; NCR 3450; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, V. 1.5 NCR C Development Toolkit, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7103; 11/1/95; NCR 3550; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, Ver. 1.5 NCR C Development Toolkit, Rel. 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7104; 11/1/95; NCR 3450; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Ver. 1.5 Verdix Corp. VADS UNIX System V/386, Rel. 4, Version 6.1	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7105; 11/1/95; NCR 3550; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Verdix Corp. VADS UNIX System V/386, Rel. 4, V. 6.1	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Trusted ORACLE7, Release 7 0, NIST-93/7106, 11/1/95, Hewlett-Packard 9000/807, HP-UX BLS, V. 8 08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A 05.35 Embedded C Pro*C, Ver. 1 5 HP C HP 92453-01, Version A.08 17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Trusted ORACLE7, Release 7 0; NIST-93/7107; 11/1/95; Hewlett-Packard 9000/817; HP-UX BLS, V. 8.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, V. A.05.35 Embedded C Pro*C, V. 1.5 HP C HP 92453-01, V. A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Trusted ORACLE7, Release 7 0, NIST-93/7108, 11/1/95; Hewlett-Packard 9000/847; HP-UX BLS, V. 8.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xxx HP-UX BLS Rel. 8.08
	Trusted ORACLE7, Release 7.0; NIST-93/7109, 11/1/95, Hewlett-Packard 9000/867; HP-UX BLS, Version 8 08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, V. 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Trusted ORACLE7, Release 7.0; NIST-93/710A; 11/1/95; Zenith Data Systems Z-Station 433 DEh; SecureWare CMW+, Version 2.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 AlsyComp_034, Version 5.1 Embedded C Pro*C, V. 1.5 SecureWare CMW+ Version 2.2 Native C	
	Oracle7, Release 7.0; NIST-94/7021; 1/1/95; DEC 3000; DEC OSF/1 (T2.0-2) Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, Version 1.5 DEC OSF/1 AXP Compiler Driver 3.11 Embedded COBOL Pro*COBOL, V. 1.5 Micro Focus COBOL V3.1 for DEC OSF/1 AXP Embedded FORTRAN Pro*Fortran, V. 1.5 DEC Fortran V. T3.4	DEC 2000, DEC 4000, DEC 6000, DEC 7000 DEC OSF/1 (T2.0-2)
Praxis International Inc.	Model 204 Advantage/SQL, Version 1 Release 1; NIST-94/7001; 1/1/95; Embedded COBOL; COBOL II V. 1.3.2 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	IBM 9221-170 MVS/ESA Rel. 4.2.2	
	Model 204 Advantage/ SQL, V. 1 Rel. 1; NIST-94/7002; 1/1/95; Embedded COBOL; COBOL II V. 1.3.2 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	IBM 4381-T92 VM/XA Release 2.1	

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Progress Software Corporation	Progress ESQL Version 7 SDK; NIST-93/7421; 11/1/94; SUN SPARCstation ELC; SunOS Version 4.1.2 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C Native C, bundled with SunOS V. 4.1.2	
	Progress ESQL Version 7 SDK; NIST-93/7422; 11/1/94; BBC 486; SCO UNIX System V/386 V. 3.2 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C Microsoft C for UNIX Version 6	
	Progress ESQL Version 7 SDK; NIST-93/7423; 11/1/94; BBC 486; MS-DOS V. 5.0 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C Microsoft C/C++ Version 7	
Sybase Inc.	Sybase System 10/ Beta Version Pre-release; NIST-93/7061; 9/1/94; HP 9000/I 40; HP-UX 9.0 Features Tested: Level 2 ANSI SQL Integrity Enhncement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10 Embedded C System 10 Beta Version cc bundled with HP-UX 9.0 Operating System	HP 9000/H 30 HP-UX 9.0

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Sybase System 10 Version 10.0; NIST-93/7062; 10/1/94; Client: NCR 3550 NCR OS V. 2.00.02 Server: NCR 3550 NCR OS V. 2.00.02 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Metaware High C Release 2.3 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0	NCR 3000 Series NCR SVR 4 2.x
	Sybase System 10 Version 10.0; NIST-93/7063; 10/1/94; Client: Sun 4/65 Sun Solaris V. 2.2 Server: Sun 4/65 Sun Solaris V. 2.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Sparc Compiler C Version 2.0 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 V. 10.0	all Sun4, Sparc-station 10, Sparc-server 600 series Sun Solaris 2.2
	Sybase System 10 Version 10.0; NIST-93/7064; 10/1/94; Client: IBM RS/6000 Model 520 IBM AIX Version 3.2 Server: IBM RS/6000 Model 520 IBM AIX V. 3.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Ver 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 IBM AIX XLC V. 1.2 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 V. 10.0	IBM RS6000 IBM AIX Versions 3.2 & 3.2.4

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Sybase System 10 Version 10.0; NIST-93/7065; 10/1/94; Client: HP 9000/827 HP-UX A.09.00 Server: HP 9000/827 HP-UX A.09.00 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 HP Native C, HP C A.09.30 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 HP COBOL V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0	HP 700 Series, HP 800 Series HP-UX A.09.00
	Sybase System 10 Version 10.0; NIST-93/7066; 10/1/94; Client: Sun Sparcserver 690 SunOS 4.1.3 Server: Sun Sparcserver 690 SunOS 4.1.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 GCC V. 2.3.1 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0	all Sun4, Sparc-station 10, Sparc-server 600 series SunOS 4.1.3
	Sybase System 10 Version 10.0; NIST-93/7067; 10/1/94; Client: DEC VAX 6000-450 Vax/VMS 5.4-1 A Server: DEC VAX 6000-450 Vax/VMS 5.4-1 A Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Vax C V. 3.1 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Vax COBOL V. 5.1 Other Software Sybase SQL Server System 10 V. 10.0	all DEC Vax running OS level Vax/VMS 5.4

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Sybase System 10 Version 10.0; NIST-93/7068; 10/1/94; Client: DEC 3000 Model 500 OSF/1 Version 1.2 Server: DEC 3000 Model 500 OSF/1 Version 1.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 DEC OSF/AXP C 3.11 Other Software Sybase SQL Server System 10 V. 10.0	all DEC AXP running OS level below Dec OSF/1 V. 1.2
Unisys Corporation	RDMS 2200, Release Level 6R2 (SB5R2), Pre-release; NIST-93/7461; 12/1/94; 2200/444 System; OS 2200 V. SB5R2 (EXEC 44R2) [OS 1100 is renamed OS 2200] Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C UCS C (UC) V. SB5R2 3.11 Embedded COBOL UCS COBOL (UCOB) Version SB5R2 Module Fortran UCS Fortran (UFTN) Version SB5R2	1100/90, 2200/ 500, 2200/600, 2200/900 OS 2200 V. SB5R2 (EXEC 44R2)
White Cross Systems Ltd.	WHITE CROSS 9000 Release 1.0.0; NIST-93/7251; 12/31/94; Client: Custom-built 80486-based PC MICROSOFT MS-DOS Version 5.00 Server: WHITE CROSS 9000 Model WCS/9010 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Rel. 1.0.0 MICROSOFT C/C++ Optimizing Compiler Version 7.00 Communications FTP PC/TCP V. 2.05 (over Ethernet)	

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	WHITE CROSS 9000 Release 1.0.0; NIST-93/7252; 12/31/94; Client: NeXTstation NeXTSTEP Release 3.0 Server: WHITE CROSS 9000 Model WCS/9010 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 NeXTSTEP Objective C Release 3.0 Communications TCP/IP software bundled with OS (over Ethernet)	
	WHITE CROSS 9000 Release 1.0.0; NIST-93/7253; 12/31/94; Client: Custom-built 80486-based PC SCO UNIX SYSTEM V/386 Development System Release 3.2 Server: WHITE CROSS 9000 Model WCS/9010 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 C Optimizing Compiler V. 5.10 Communications TCP/IP software bundled with OS (over Ethernet)	
	WHITE CROSS 9000 Release 1.0.0; NIST-93/7254; 12/31/94; Client: SPARCstation IPX SunOS Release 4.1.2 Server: WHITE CROSS 9000 Model WCS/9010 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 SPARCompiler C V. 2.0.1 Communications TCP/IP software bundled with OS (over Ethernet)	

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES

FIPS 127-2 - ONE OR MORE NONCONFORMITIES
[Entry FIPS 127-2 exceeds requirements for FIPS 127-1 with Integrity Enhancement Option]

No entries for this quarter.

FIPS 127-1 - ONE OR MORE NONCONFORMITIES

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
Informix Software, Inc.	INFORMIX-OnLine Version 5.02; NIST-94/7043; 1/1/95; Sun SPARCstation 10; SunOS Version 4.1.3_DBE1.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.02 Micro Focus COBOL for UNIX 3.0.54-Be Embedded Fortran INFORMIX-ESQL/ FORTRAN V.5.02 SPARCompiler Fortran V. 2.0.1	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOS V. 4.1.3 SunOs Version 4.1.3_DBE1.3; 4 COBOL 1 Fortran
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7082; 1/1/95; INFORMIX-OnLine/ Secure-C2 V.DR6.00; NIST-94/7088; 1/1/95; INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7086; 1/1/95; INFORMIX-OnLine/ Secure-B1 V.DR6.00; NIST-94/7080; 1/1/95; Hewlett Packard 9000/720 HP-UX; Version A.08.09 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.00 ACUCOBOL-85 Version 2.1.2 Embedded Fortran INFORMIX-ESQL/ FORTRAN V.5.00 HP Fortran/9000s 700 V. A.08.07	HP9000 Series 635, 645, 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 867, 870, 870/ 200, 870/300, 855, 857, 860, 865, 870/400, 877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50, HP-UX V. A.08.09; 4 COBOL 1 Fortran

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7092; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.00 MicroFocus COBOL for UNIX, Version 3.1.31	RISC System/6000 Powerstation/ Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530,
	INFORMIX-OnLine/ Secure-C2 V. DR6.00 NIST-94/7097; 1/1/95;	Embedded Fortran INFORMIX-ESQL/ FORTRAN V. 5.00 IBM AIX XL	530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7096; 1/1/95;	Fortran Compiler/ 6000 V. 2.03.0	System/6000 Powerserver 25S, 930, 950, 970, 990 AIX Version 3.2 AIXCMW V. 3.2;
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7090; 1/1/95;		4 COBOL 1 Fortran
	IBM POWERstation 320; AIXCMW Version 3.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
Software AG	ADABAS SQL Server Version 1.1; NIST-93/7201; 12/31/94;	Embedded C ADABAS V. 1.2 HP C V. A.08.17	10 C
	HP 9000/817; HP/UX A.08.02		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		
	ADABAS SQL Server Version 1.1; NIST-93/7202; 12/31/94;	Embedded COBOL ADABAS V. 1.2 HP Micro Focus COBOL/2, V. 1.1 Rev. 002	10 COBOL
	HP 9000/817; HP/UX A.08.02		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
	ADABAS SQL Server Version 1.1; NIST-93/7203; 12/31/94;	Embedded COBOL ADABAS V. 5.3 COBOL II, V.3.2	10 COBOL
	Hitachi HDS/EX90; MVS/ESA V. 4.2.2		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		

4. GRAPHICS CONFORMANCE TESTING

4.1   FIPS GKS Standard

The Graphical Kernel System (GKS) is a two-dimensional graphics tool box which provides for the display and manipulation of pictures and graphical input from the operator. The purpose of GKS is to promote portability of graphics applications for use on a variety of graphics workstations. It provides a functional interface between an application program and a configuration of graphical devices. The interface is at such a level of abstraction that hardware peculiarities are shielded from the application program.

FIPS PUB 120-1, GKS, is the first Federal Information Processing Standard Publication (FIPS PUB) registered for computer graphics systems. In accordance with FIPS PUB 120-1, two-dimensional graphics toolbox packages acquired for Federal use after November 3, 1986 should implement FIPS GKS. Conformance testing of GKS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 120-1 requires that GKS implementations offered to Federal agencies be tested using the NIST Test Suite to ensure that a particular implementation meets the specifications of the FIPS. The GKS Validation Test Suite (Fortran) is available from:

Ms. Susan Sherrick
National Institute of Standards and Technology
Building 225, Room A266
Gaithersburg, MD 20899
(301) 975-3268

4.1.1   Organization of GKS Entries

The entries in the VPL for GKS implementations are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the implementation.

- The GKS NAME column contains the name of the implementation, its version number, the VSR number, and the Expiry date of the certificate of validation.

- The HARDWARE & OP. SYSTEM column presents the hardware and operating system environment used during the validation.

- The GRAPHICS DEVICES column includes the graphics devices that were validated.

- The GKS LEVEL column indicates the level of GKS that was validated.

- The entries in the OTHER HW/OS column include other hardware and operating system environments in which the processor operates.

- The NONCONFORMITIES column indicates whether or not the GKS implementation conforms to the applicable FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for details of the nonconformities.

4.2 FIPS PHIGS Standard

PHIGS stands for Programmer's Hierarchical Interactive Graphics System. PHIGS is a system for interactive 3-dimensional (3D) graphics applications that provides programmers with a set of features enabling them to manipulate and display complex 3D objects. It is called hierarchical because the complex objects can be built up from simpler objects. PHIGS also provides a rich set of facilities for real-time interaction with the user. While it borrows many concepts from the Graphical Kernel System (GKS) standard, it also introduces many new features, such as a "graphics data base" (the centralized structure store), and support for modeling and viewing.

In accordance with FIPS PUB 153, (PHIGS), 3D graphics packages acquired for Federal use should implement FIPS PHIGS. Conformance testing of PHIGS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 153 requires that PHIGS implementations offered to Federal agencies be tested using the NIST PVT (PHIGS Validation Tests) test suite. The test suite ensures that a particular implementation meets the specifications set forth in the FIPS. The PHIGS PVT test suite is available from:

> Project Leader, PHIGS Validation Tests
> National Institute of Standards and Technology
> Computer Systems Laboratory
> Bldg. 225, Room A-266
> Gaithersburg, MD 20899
> phone: (301) 975-3265
> e-mail: phigs@speckle.ncsl.nist.gov

4.2.1 Organization of PHIGS Entries

The entries in the VPL for PHIGS implementations are as follows:

- The VENDOR column contains the name of the vendor of the implementation.

- The PHIGS name column contains the name of the implementation, its version number, the Validation Summary Report (VSR) number, and the expiry date of the certification of validation.

- The HARDWARE & OP.SYSTEM column presents the hardware and operating system environment used during the validation.

- The GRAPHICS DEVICES column includes the graphics devices that were validated.

- The entries in the REGISTERED ENVIRONMENTS HW/OS column includes registered hardware and operating systems for the implementation tested. The vendor of the implementation has certified that the identified processor, when operating under the environments included in this column, produces the same test results exhibited during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.

- The NONCONFORMITIES column indicates whether or not the PHIGS implementation conforms to the FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for more details of the nonconformities.

4.3   FIPS CGM Standards

The FIPS 128-1, Computer Graphics Metafile (CGM) is a data interchange standard for the storage and retrieval of picture information in a device independent manner. The purpose of the CGM is to facilitate the transfer of graphical information among different computer systems, devices and/or applications.

The FIPS 128-1 requires the use of a CGM application profile. In particular, the Military Specification MIL-D-28003A, commonly known as the CALS CGM profile, is required for Federal government applications when the representation of graphical information in digital form is to be used in technical illustrations and publications, or when the use of a general-purpose, graphical interchange mechanism is required.

NIST offers two CGM Test Services: metafile testing and generator testing. The purpose of the Test Services is to determine the degree to which the metafile or CGM generator conforms to the FIPS 128-1 and the CALS profile. Presently, the Test Service addresses only CGM Version 1.

4.3.1   CGM Test Labs and Test Suite

CGM Validation Testing is available from the National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL).

> National Institute of Standards and Technology
> CGM Test Service
> Building 225, Room A266
> Gaithersburg, MD 20899
> (301) 975-3265

The CGM Validation Test Software is based on CTS/Metacheck, version 2.10 and is available for purchase from

> CGM Technology Software
> 1527 Route 12, Box 648
> Gales Ferry, CT 06335
> (203) 464-2623

4.3.2   Certificate of Validation

For metafile testings, a certificate of validation is issued for those CGM files that have been tested and are in compliance with the FIPS 128-1 and MIL-D-28003A. Conformance of a metafile does NOT necessarily imply conformance of the CGM generator, CGM interpreter, or other CGMs created on the same hardware and software platform.

For generator testing, a certificate of validation is issued for a CGM generator that has been tested and is in compliance with the FIPS 128-1 and MIL-D-28003A.

4.3.3   Validated Metafiles

The metafiles presented in Section 4.6 have been tested for conformity with FIPS PUB 128 or MIL-D-28003. Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from NIST/CSL.

4.4 Raster Graphics Standards

FIPS PUB 150 adopts EIA-538 which defines the facsimile coding schemes and their control functions for Group 4 facsimile apparatus, i.e., ITU-T (formerly CCITT) Recommendation T.6. It defines a standard compression algorithm (T.6 - Group 4) suitable for the storage, retrieval, and interchange of raster graphics images.

Military Specification MIL-R-28002 specifies the structure and encoding of raster data files to be delivered to the government. It specifies the use of the standard compression algorithm defined in FIPS PUB 150. It also specifies the use of standard file headers which are defined in MIL-STD-1840. MIL-STD-1840 standardizes the format and structure of digital technical data files for the purpose of interchange between organizations or systems.

4.4.1 Certificate of Validation

The Raster Graphics Validation Test Service tests an implementation's capablility of both receiving and generating raster graphics data conforming to the specifications in FIPS PUB 150 and MIL-R-28002.

A certificate of validation is issued for an implementation that passes the validation test and conforms to FIPS PUB 150 and MIL-R-28002.

4.4.2 Information Pack

Upon request, a Raster Graphics Validation Test Information Pack is available from:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Raster Graphics Validation Test Service
Technology Building, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3265

4.5 GKS IMPLEMENTATIONS

VENDOR	GKS NAME; EXPIRY DATE; VSR #; LEVEL	HARDWARE; OPERATING SYSTEM	GRAPHICS DEVICES; REGISTERED ENVIRONMENTS
Advanced Technology Center	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/967; Level 2c	NCR 3450; Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/968; Level 2c	NCR 3550; Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/969; Level 2c	IBM RS6000 Model 220; AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/970; Level 2c	IBM RS6000 Model 530H; AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/971; Level 2c	HP-9000/817; HP-UX 8.08	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/972; Level 2c	HP-9000/827; HP-UX 8.02	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/974; Level 2c	Sun Sparcstation 1; Solaris 2.1	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);

4.6 COMPUTER GRAPHICS METAFILES

CGM

CLIENT	VSR # & DATE; #CGM Submitted/Conforming	CGM/SIZE/DATE; GENERATOR	PLATFORM (As reported by Vendor)
Interleaf, Inc El Segundo, CA	NIST-M-92/003-001 9/2/92; 1/1	asg.cgm 8880 8/31/92; Interleaf Inc MDL/G	Interleaf 5 v5.3, HP9000/700, HP UX v8.07
IBM Corporation Federal Sector Division Oswego, NY	NIST-M-92/005-002 10/28/92; 5/5	gcgm_i220.cgm 5280 10/27/92; GRAFPAK-CGM 1.1.2	IBM RS6000 Model 220, AIX 3.2
		gcgm_i530.cgm 5280 10/27/92; GRAFPAK-CGM 1.1.2	IBM RS6000 Model 530, AIX 3.2
		gcgm_n345.cgm 5280 10/27/92; GRAFPAK-CGM 1.1.2	NCR 3450, NCR UNIX SVR4
		gcgm_n355.cgm 5280 10/27/92; GRAFPAK-CGM 1.1.2	NCR 3550, NCR UNIX SVR4
		gks_i530.cgm 23680 10/27/92; GRAFPAK-GKS 4.0	IBM RS6000 Model 530, AIX 3.2
ESRI Boulder CO	NIST-M-93/006-003 1/26/93; 5/5	sun.cgm 181680 1/19/93; ARC/INFO	SUN SparcStation, Sun OS 4.1.3
		ibm.cgm 181680 1/19/93; ARC/INFO	IBM RS6000, AIX 3.2
		dg.cgm 181680 1/19/93; ARC/INFO	Data General AViiON, DG/UX 5.4.1
		dec.cgm 181680 1/19/93; ARC/INFO	DecStation 5000, ULTRIX 4.2a
		sgi.cgm 181680 1/19/93; ARC/INFO	Silicon Graphics Indigo, IRIX 4.0.2
EDS Herndon, VA	NIST-M-93/007-004 1/29/93; 3/3	demo5.cgm 13280 1/28/93; GRAFPAK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
		demo7.cgm 5360 1/28/93; GRAFPAK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
		demo8.cgm 3840 1/28/93; GRAFPAK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1

4.7 PHIGS APPLICATIONS

No entries at this time.

5. U.S. GOSIP TESTING PROGRAM REGISTER DATABASE SYSTEM (GRD)

5.1 Description

The United States Government Open Systems Interconnection Profile (GOSIP) Testing Program was defined to assist Federal Agencies in assuring conformance to the GOSIP Standard. Testing for conformance to the Open Systems Interconnection (OSI) standards and for interoperability with other OSI implementations is available.

NISTIR 4594, "GOSIP Conformance and Interoperation Testing and Registration" establishes the framework for the establishment of registers for Test Suites, Test Systems (Means of Testing), Conformance Testing Laboratories, and Interoperability Testing Services.

5.2 U.S. GOSIP Register Database (GRD)

The U.S. GOSIP Register Database (GRD) is an online database facility developed by NIST. It provides up-to-date reference information for the following list of registers:

1. U.S. GOSIP Abstract Test Suites (ATS).
2. Assessed Means of Testing (MOT).
3. NVLAP Accredited Test Laboratories.
4. Conformance Tested GOSIP Products.
5. Interoperability Test Suites (ITS) for OSI Products.
6. Reference Entities for Means of Testing Assessment(s).
7. Interworking GOSIP Products.
8. Interoperability Test and Registration Services.

5.3 How To Access the GOSIP Register Database (GRD)

The GOSIP register files available for downloading are now located a different host. These files are available via anonymous ftp over the internet from:

Host Name: huachuca-jitcosi
IP Address: 138.27.7.2

Files are available in both ASCII (.ask) and WordPerfect 5.1 (.w51) formats. Just login with "anonymous" and use your internet address for the password. For .w51 files, binary transfer is required.

For any questions, problems or comments dealing with the GRD or the U.S. GOSIP Testing Program please contact:

> Ken Thomas
> Joint Interoperability Test Center - TCBB
> Fort Huachuca, AZ 85613-7020
> (602) 538-5170
> e-mail: C3A-TCB@huachuca-EMH2.army.mil

5.4.1 REGISTER OF CONFORMANCE TESTING LABORATORIES

Lab Code: 0354
Lab: Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: Ronald D Swan
Tel: (612) 482-6257   Fax: (612) 482-3616

Registration Type: FULL   Registered Until: 01-JUL-95

Scope of Registration:
X.400-1984 MHS: P2/P1/RTS/(Session), CCITT X.400-1988 MHS:
P2/P1/RTSE/ACSE/Presentation(Session), TP4, TP2/TP0, CLNP,
X.25:PLP/HDLC LAP-B

Lab Code: 0357
Lab: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom

Contact: A. E. J. Pink
Tel: +44 61 228 6333   Fax: +44 61 236 4715

Registration Type: FULL   Registered Until: 01-JUL-95

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS:
P2/P1/RTS/
(Session), CCITT X.400-1988 MHS: P2/P1/RTSE/ACSE/
Presentation(Session), ITU-T X.500-1988 DS: DS/DAP,
Session, TP4, TP2/TPO, CLNP, X.25: PLP/HDLC LAP-B

Lab Code: 0364
Lab: CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Contact: Kevin P Murray
Tel: (703) 821-1858   Fax: (703) 821-9859

Registration Type: FULL   Registered Until: 01-JUL-95

Scope of Registration:
FTAM/ACSE/Presentation/(Session), X.400-1984 MHS:
P2/P1/RTS/
(Session), TP4, TP2/TP0, CLNP, X.25: PLP/HDLC LAP-B

Lab Code: 0365
Lab: Hewlett-Packard Company, OSI Conformance Test Center
19420 Homestead Road, MS 43UJ
Cupertino, CA 95014-9810

Contact: Murali Subbarao
Tel: (408) 447-2822   Fax: (408) 447-2697
Email: murali@hpinddf.cup.hp.com

Registration Type: FULL   Registered Until: 01-JUL-95

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/
RTS(Session), Session, TP4, TP2/TP0, CLNP

Lab Code: 0367
Lab: UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Contact: Carsten Gardan
Tel: (215) 993-6157   Fax: (215) 993-7425

Registration Type: FULL   Registered Until: 01-JUL-95

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS:
P2/P1/RTS/
(Session), TP4, TP2/TP0, CLNP, ES-IS, X.25:PLP/HDLC LAP-B

Lab Code: 0370
Lab: Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Contact: Attila Tuncer
Tel: +33 1 76 3976 02   Fax: +33 1 76 3977 02
Email: a.tuncer@frec.bull.fr

Registration Type: FULL   Registered Until: 01-OCT-94

Scope of Registration: X.25:PLP/HDLC LAP-B

Lab Code: 0371
Lab: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
Tel: (510) 484-5674   Fax: (510) 484-4078

Registration Type: FULL   Registered Until: 01-OCT-94

Scope of Registration:
FTAM/ACSE/Presentation, X.400-1984 MHS: P2/P1/RTS
(Session),
Session, TP4, TP2/TP0, CLNP, X.25: PLP/HDLC LAB-B

Lab Code: 0385

Lab: Dept of Defense, Joint Interoperability Test Center
ATTN: TCDBA, Building 57305
Fort Huachuca, AZ 85613-7020
Contact: Kenneth Thomas
Tel: (602) 538-5170   Fax: (602) 538-4375
Email: ThomasK@cc.ims.disa.mil

Registration Type: FULL   Registered Until: 01-APR-95

Scope of Registration:
FTAM/ACSE/Presentation(Session) X.400-1984 MHS:
P2/P1/RTS/
(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Lab Code: 0392

Lab: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
Email: Sinibald@romeppc.vnet.ibm.com

Registration Type: FULL   Registered Until: 01-OCT-94

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS:
P2/P1/RTS/
(Session), Session, TP4, TP2/TP0, CLNP, CCITT X.25:
PLP/HDLC
LAP-B, X.25 LAP-B

Lab Code: 0394

Lab: Telecommunications Laboratories Test Center
P.O. Box 71
Chung-Li, 320 Taiwan

Contact: Ching-Sung Lu
Tel: +886 3 424-4377   Fax: +886 3 490-4464

Registration Type: FULL   Registered Until: 01-OCT-94

Scope of Registration:
X.400-1984 MHS: P2/P1/RTS/(Session),
FTAM/ACSE/Presentation
(Session), Session, TP4, TP2/TP0, CLNP

Lab Code: N/A 77.90/01

Lab: ACERLI
5 Voie Verte
92260 Fontenay-aux-Ros France

Contact: J-P Baconnet
Tel: +33 1 46 38 35 08
Fax: +33 1 4638 8205

Type of Lab: MOT Calib

Register Type: Full

Expires: 01-MAR-96

Scope: FTAM, MMS, 8804-4

Comments:

5.4.3 GOSIP REGISTER DATABASE: CONFORMANCE TESTED PRODUCTS

Product Code/Type: P-001 WAN Product ID: 173
Supplier: 000092
ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096
Contact: K. Trumble
Tel: (703) 689-6287
GOSIP Product: TP8000 Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93
Additional Info:
Registration: FULL, GOSIP Version 2 /registered
Date: 19-JUL-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms:
H/W: TP8000
O/S: Network Release 6
Claimed Compatibility Hardware/Software Platforms:
Connectivity: 0090
RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 174
Supplier: 000092
ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096
Contact: K. Trumble
Tel: (703) 689-6287
GOSIP Product: TP4900/LPM Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93
Additional Info:
Registration: FULL, GOSIP Version 2 /registered
Date: 19-JUL-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms:
H/W: TP4900/LPM
O/S: Network Release 6
Claimed Compatibility Hardware/Software Platforms:
Connectivity: V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 175
Supplier: 000092
ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096
Contact: K. Trumble
Tel: (703) 689-6287
GOSIP Product: TP4900/TCP/CF Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 19-JUL-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0157
H/W: TP4900/TCP/CF
O/S: Network Release 6
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089 V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 1
Supplier: 000013
AT & T Computer Systems
307 Middletown - Lincroft Road
Lincroft, NJ 07738
Contact: Reginald Lewis
Tel: (908) 898-6005
Fax: (908) 898-3717
GOSIP Product: A.T. & T. X.25 Network Interface Product
Version/Release: Release 2.0
Release Date: 01-JAN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 09-APR-91
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0001
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0001 RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0363
Corporation for Open Systems
International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031
USA

Product Code/Type: P-001 WAN Product ID: 91
Supplier: 000053
               Bull Information Systems Incorporated
               13430 North Black Canyon Highway
               Phoenix, AZ 85029
Contact: Bill George
               Tel: (602) 862-6008
                       Fax: (602) 862-6105
GOSIP Product: DPX/2 B.O.S. (Stack B)
  Version/Release: Ver B.O.S. 2
  Release Date: 01-OCT-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0084
    DPX/2 200 with MTB board, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                 RS-232C
Underlying Stack: None   Underlying Product:

Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0370
               Conformance Expert Center for OSI Bull - CECOB
               1 Rue de Provence, BP 208
               38432 Echirolles France

Product Code/Type: P-001 WAN Product ID: 92
Supplier: 000053
               Bull Information Systems Incorporated
               13430 North Black Canyon Highway
               Phoenix, AZ 85029
Contact: Bill George
               Tel: (602) 862-6008
               Fax: (602) 862-6105
GOSIP Product: DPX/2 B.O.S. (Stack B)
  Version/Release: Ver B.O.S. 2
  Release Date: 01-OCT-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0085
    DPX/2 200 with ECP Board, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                 RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0370
               Conformance Expert Center for OSI Bull - CECOB
               1 Rue de Provence, BP 208
               38432 Echirolles France

Product Code/Type: P-001 WAN Product ID: 93
Supplier: 000053
               Bull Information Systems Incorporated
               13430 North Black Canyon Highway
               Phoenix, AZ 85029
Contact: Bill George
               Tel: (602) 862-6008
                       Fax: (602) 862-6105
GOSIP Product: DATANET DCP 7500
  Version/Release: DNS Ver 4 U1
  Release Date: 01-JAN-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0086
    DCP 7500   O/S DNS Ver 4 Update 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                 RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0370
               Conformance Expert Center for OSI Bull - CECOB
               1 Rue de Provence, BP 208
               38432 Echirolles France

Product Code/Type: P-001 WAN Product ID: 176
Supplier: 000094
               Cisco Systems
               1525 O'Brien Drive, P.O. Box 3075
               Menlo Park, CA 94026-1435
Contact: William Miskovetz
               Tel: (415) 688-4682
                       Fax: (415) 688-4575
GOSIP Product: AGS+/3 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 13-JUL-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 02-AUG-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0158
    H/W: AGS+/3
    O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
                 V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
               CDA, Incorporated
               8301 Greensboro Drive, #350
               McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 177
Supplier: 000094
Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435
Contact: William Miskovetz
Tel: (415) 688-4682
Fax: (415) 688-4575
GOSIP Product: AGS+/4 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 02-AUG-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0164
H/W: AGS+/4
O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 178
Supplier: 000094
Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435
Contact: William Miskovetz
Tel: (415) 688-4682
Fax: (415) 688-4575
GOSIP Product: CGS/3 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93
Additional Info:
Registration: FULL, GOSIP Version 2 /registered
Date: 02-AUG-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0159
H/W: CGS/3
O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 179
Supplier: 000094
Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435
Contact: William Miskovetz
Tel: (415) 688-4682
Fax: (415) 688-4575
GOSIP Product: CGS/4 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 02-AUG-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0160
H/W: CGS/4
O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 180
Supplier: 000094
Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435
Contact: William Miskovetz
Tel: (415) 688-4682
Fax: (415) 688-4575
GOSIP Product: IGS/R X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 02-AUG-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0161
H/W: IGS/R
O/S: igs-kr 9.1(30)
Claimed Compatibility Hardware/Software Platforms:
Connectivity: 0089
V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 181
Supplier: 000094
            Cisco Systems
            1525 O'Brien Drive, P.O. Box 3075
            Menlo Park, CA 94026-1435
Contact: William Miskovetz
            Tel: (415) 688-4682
        Fax: (415) 688-4575
GOSIP Product: MGS/3 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 13-JUL-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
    Date: 02-AUG-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0162
      H/W: MGS/3
      O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
            RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
            CDA, Incorporated
            8301 Greensboro Drive, #350
            McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 182
Supplier: 000094
            Cisco Systems
            1525 O'Brien Drive, P.O. Box 3075
            Menlo Park, CA 94026-1435
Contact: William Miskovetz
            Tel: (415) 688-4682
        Fax: (415) 688-4575
GOSIP Product: MGS/4 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 13-JUL-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
    Date: 02-AUG-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0163
      H/W: MGS/4
      O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
            RS-232C
Underlying Stack: None.   Underlying Product:
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
            CDA, Incorporated
            8301 Greensboro Drive, #350
            McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 221
Supplier: 000122
            Cisco Systems
            1525 O'Brien Drive P.O. Box 3075
            Menlo Park, CA 94026-1435
Contact: William Miskovetz
            Tel: (415) 688-4682
        Fax: (415) 688-4575
GOSIP Product: CISCO 4000 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 14-MAR-94
  Additional Info: None
Registration: FULL, GOSIP Version 2/registered
    Date: 24-FEB-94
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0188
      CISCO 4000
      CISCO O/S 9.21C
laimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
            V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
            CDA, Incorporated
            8301 Greensboro Drive, #350
            McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 234
Supplier: 000129
            Cisco Systems
            1525 O'Brien Drive P.O. Box 3075
            Menlo Park, CA 94026-1435
Contact: William Miskovetz
            Tel: (415) 326-1941
        Fax:
GOSIP Product: CISCO 7000 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 17-JAN-94
  Additional Info: Tested hardware platform is CISCO 7000. Vendor
            claims hardware compatibility as listed.
Registration: FULL, GOSIP Version 2/registered
    Date: 10-MAR-94
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0197
      H/W: CISCO 7000 & 7010   O/S: CISCO 9.21
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089   V.35
Underlying Stack: N/A Underlying Product: N/A
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
            CDA, Incorporated
            8301 Greensboro Drive, #350
            McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 236
Supplier: 000129
    Cisco Systems
    1525 O'Brien Drive P.O. Box 3075
    Menlo Park, CA 94026-1435
Contact: William Miskovetz
    Tel: (415) 326-1941
    Fax:
GOSIP Product: CISCO 3104 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 17-JAN-94
  Additional Info: Tested hardware platform is CISCO 3104. Vendor
        claims hardware compatibility as listed.
Registration: FULL, GOSIP Version 2/registered
  Date: 16-MAR-94
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0198
    H/W: CISCO 3101, 3102, & 3104 O/S: CISCO 9.21
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089   V.35
Underlying Stack: N/A Underlying Product: N/A
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 254
Supplier: 000129
    Cisco Systems
    1525 O'Brien Drive P.O. Box 3075
    Menlo Park, CA 94026-1435
Contact: William Miskovetz
    Tel: (415) 326-1941
GOSIP Product: CISCO 2501 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 14-MAR-94
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 27-JUN-94
  Reason for Removal:
  Basis: BASE
  Base Products: N/A
Tested Hardware/Operating System Platforms: 0214
    H/W: CISCO 2501
    O/S: CISCO O/S 9.21
Claimed Compatibility Hardware/Software Platforms: 0226
    CISCO 2502, CISCO 2503, and CISCO 2504
Connectivity: 0089
    V.35
Underlying Stack: None   Underlying Product: N/A
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 31
Supplier: 000029
    Control Data Corporation
    4201 North Lexington Avenue
    Arden Hills, MN 55126-6198
Contact: Ronald Swan
    Tel: (612) 482-6527
    Fax: (612) 465-4996
GOSIP Product: CDCNET
  Version/Release: Ver 1.6.1 L780A
  Release Date: 01-MAR-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 30-JAN-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0046
    CDCNET Device Interface
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0024   RS-232C, X.21
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0354
    Control Data Corporation,
    OSI Accredited Test Center
    4201 North Lexington Avenue
    Arden Hills, MN 55126-6198

Product Code/Type: P-001 WAN Product ID: 40
Supplier: 000036
    Data General Corporation
    4400 Computer Drive, MS/D216
    Westboro, MA 01580
Contact: Charles Stakus
    Tel: (508) 870-6392
    Fax: (508) 898-4694
GOSIP Product: X.25 for AViiON Systems
  Version/Release: Rel 2.20
  Release Date: 01-FEB-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 18-FEB-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0053
    AViiON 5000/6000 Series
    DG/UX System for AViiON Systems Rev. 5.4.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005   RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0363
    Corporation for Open Systems
    International Test Center
    8260 Willow Oaks Corp Drive, Suite 700
    Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 204
Supplier: 000107
Data General Corporation
4400 Computer Drive
Westboro, MA 01580
Contact: Peter Conway
Tel: (508) 898-5000
Fax: (508) 898-4212
GOSIP Product: X.25 for AViiON Systems
Version/Release: Version 2.40
Release Date: 01-OCT-93
Additional Info: Vendor claims support of 1988 X.25.
Registration: FULL, GOSIP Version 2/registered
Date: 29-NOV-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
H/W: AV8500
O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
AV8000, AV8500, AV9000
Connectivity: 0090 RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS 2-2 and ATS 2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 242
Supplier: 000107
Data General Corporation
4400 Computer Drive
Westboro, MA 01580
Contact: Peter Conway
Tel: (508) 898-5000 Fax: (508) 898-4212
GOSIP Product: X.25 for AViiON Systems
Version/Release: Version 3.00 Release Date: 01-APR-94
Additional Info: Tested HW platform is AViiON AV8500. Vendor
claims HW compatibility as listed and support of 1988 CCITT
X.25.
Registration: FULL, GOSIP Version 2/registered
Date: 11-APR-94 Reason for Removal:
Basis: BASE Base Products: 242
Tested Hardware/Operating System Platforms: 0200
H/W: AViiON AV500, AVV4000, AV5000, AV6000, AV7000,
AV8000, AV8500, & AV9000
O/S: DG/UX System for AViiON Computers, Revision 5.4R3.00
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005 RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 100
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021
Fax: (508) 486-7417
Email: duhamel@woof.enet.dec.com
GOSIP Product: VAX Packetnet System Interface for
DECnet-VAX (TM)
Version/Release: Ver 5.4 Extensions
Release Date: 01-SEP-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 26-JAN-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0112
MicroVAX 3800 with DSV11-SA Card VMS Ver 5.4
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0022 X.25 LAP-B/X.21bis
Underlying Stack: VAX Wide Area Network Device Drivers for
DECnet-VAX(TM) Ver 5.4 Extensions
Underlying Product:
Protocols and Profiles: 0040
X.25 PLP [ISO 8208:1990] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 140
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
Email: duhamel@woof.enet.dec.com
GOSIP Product: DEC X.25 for ULTRIX
Version/Release: Ver 1.0 Release Date: 01-MAR-93
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 19-MAR-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0131
MicroVAX/VAXstation 3000 Series
DEC ULTRIX Ver 4.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0022
X.25 LAP-B/X.21bis
Underlying Stack: DEC Wide Area Device Drivers for ULTRIX Ver
2.0 01-MAR-92
Underlying Product:
Protocols and Profiles: 0040
X.25 PLP [ISO 8208:1990] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 147
Supplier: 000005
  Digital Equipment Corp
  550 King Street
  Littleton, MA 01460-1289
Contact: Richard Duhamel
  Tel: (508) 486-5021 Fax: (508) 486-7417
  Email: duhamel@woof.enet.dec.com
GOSIP Product: VAX Wide Area Networks Device Driver for
  DECnet-VAX (TM) (Data Link Layer)
  Version/Release: Ver 5.4 Extensions
  Release Date: 01-SEP-91
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 26-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0112
  MicroVAX 3800 with DSV11-SA Card
  VMS Ver 5.4
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0070
  X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0070
  X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0362
  Digital Equipment Corporation, OSI Conformance
  Interoperability Test Center
  550 King Street, MS LKG2A/R5
  Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 161
Supplier: 000005
  Digital Equipment Corp
  550 King Street
  Littleton, MA 01460-1289
Contact: Richard Duhamel
  Tel: (508) 486-5021 Fax: (508) 486-7417
  Email: duhamel@woof.enet.dec.com
GOSIP Product: DEC Wide Area Device Drivers for ULTRIX
(Data Link Layer)
  Version/Release: Ver 2.0
  Release Date: 01-MAR-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 19-MAR-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0131
  MicroVAX/VAXstation 3000 Series
  DEC ULTRIX Ver 4.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0070
  X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0070
  X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0362
  Digital Equipment Corporation, OSI Conformance
  Interoperability Test Center
  550 King Street, MS LKG2A/R5
  Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 270
Supplier: 000005
  Digital Equipment Corp
  550 King Street
  Littleton, MA 01460-1289
Contact: Richard Duhamel
  Tel: (508) 486-5021 Fax: (508) 486-7417
  Email: duhamel@woof.enet.dec.com
GOSIP Product: X.25 V1.0A for DEC OSF/1 Systems
  Version/Release: Version 1.0A Release Date: 14-MAR-94
  Additional Info: Minimum memory configuration is 32 MB, and
    minimum disk space requirement is 44 MB.
Registration: FULL, GOSIP Version 2/registered
  Date: 22-AUG-94 Reason for Removal: N/A
  Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0221
  DEC 3000 Model 500 AXP Workstation
  DEC OSF/1 Operating System, Version 2.0
Claimed Compatibility Hardware/Software Platforms: 0251
  H/W: DEC 3000 Models 300, 300X, 300LX, 400, 500X, 600 &
  800 AXP Workstations
  O/S: DEC 3000 Models 400, 500, 600 & 800 AXP Servers
Connectivity: 0128 RS232
Underlying Stack: N/A Underlying Product: N/A
Protocols and Profiles: 0001 X.25 PLP/X.25 LAP-B
  X.25 PLP [ISO 8208:1990] {CCITT 1984}
  X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0357
  National Computing Centre Limited
  Oxford Road
  Manchester, M17ED United Kingdom

Product Code/Type: P-001 WAN Product ID: 272
Supplier: 000005
  Digital Equipment Corp
  550 King Street
  Littleton, MA 01460-1289
Contact: Richard Duhamel
  Tel: (508) 486-5021 Fax: (508) 486-7417
  Email: duhamel@woof.enet.dec.com
GOSIP Product: X.25 V1.0 for OpenVMS AXP Systems
  Version/Release: Version 1.0 Release Date: 18-MAY-94
  Additional Info: Minimum memory configuration is 32 MB, and
    minimum disk space requirement is 407 MB.
Registration: FULL, GOSIP Version 2/registered
  Date: 22-AUG-94 Reason for Removal: N/A
  Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0249
  H/W: DEC 3000 Model 500 AXP Workstation
  O/S: OpenVMS AXP V6.1
Claimed Compatibility Hardware/Software Platforms: 0250
  H/W: DEC 2000 Models 300 & 500 AXP Workstations
  O/S: DEC 2100 Server A500MP
  H/W: DEC 3000 Models 300,300L,300X,300LX,400,500,500X,
  600&800 AXP Workstations
  O/S: DEC 3000 Models 400, 500, 600 & 800 AXP Servers
Connectivity: 0128 RS232
Underlying Stack: N/A Underlying Product: N/A
Protocols and Profiles: 0001 X.25 PLP/X.25 LAP-B
  X.25 PLP [ISO 8208:1990] {CCITT 1984}
  X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0357
  National Computing Centre Limited
  Oxford Road
  Manchester M17ED United Kingdom

Product Code/Type: P-001 WAN Product ID: 172
Supplier: 000091
                  Digital Equipment Corporation
                  Imperial Way
                  Reading, Berks RG20TE United Kingdom
Contact: Ken Chamberlain
                  Tel:
GOSIP Product: DEC Network Integration Server Software (DECNIS)
   Version/Release: Ver 2.1   Release Date: 30-APR-93
   Additional Info:
Registration: FULL, GOSIP Version 2/registered
   Date: 29-JUL-93   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0154
      H/W: DECNIS 500, DECNIS 600
      O/S: DECNIS V2.1 with embedded OS
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089   V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 AND ATS:2-2
Conformance Lab: 0362
      Digital Equipment Corporation, OSI Conformance
      Interoperability Test Center
      550 King Street, MS LKG2A/R5
      Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 208
Supplier: 000109
                  Eicon Technology Corporation
                  2196 - 32nd Avenue (Lachine)
                  Montreal, Quebec H8T 3H7
                  Canada
Contact: Guy Cote
                  Tel: (514) 631-2592 Fax: (514) 631-3092
                  Email: cote@Eicon.com
GOSIP Product: OSI LAN Gateway #315-379-1 plus GOSIP Upgrade
                 Diskette
   Version/Release: Release V3R1 Release Date: 24-SEP-93
   Additional Info: Product tested using V.24 to RS-232C adaptor box
                    (not sold with product). Vendor claims software
                    operates across entire line of interface cards.
Registration: FULL, GOSIP Version 2/registered
   Date: 17-DEC-93   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0178
   H/W: Eicon HSI/PC 1MB #310-052 Synchronous Comm Card/Dell
         486 PC
   O/S: Embedded in product on Comm Card, DOS 5.0 running on PC
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0103   None
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0364
         CDA, Incorporated
         8301 Greensboro Drive, #350
         McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 267
Supplier: 000109
                  Eicon Technology Corporation
                  2196 - 32nd Avenue (Lachine)
                  Montreal, Quebec H8T 3H7 Canada
Contact: Guy Cote
                  Tel: (514) 631-2592 Fax: (514) 631-3092
                  Email: cote@Eicon.com
GOSIP Product: WAN Services for Windows NT #315-962
   Version/Release: Release V3   Release Date: 01-JAN-94
   Additional Info: Vendor claims software operates across entire line
                    of interface cards.
Registration: FULL, GOSIP Version 2/registered
   Date: 01-AUG-94   Reason for Removal:
   Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0236
      H/W: EiconCard HSI/PC 1MB #310-052 Synchronous
            Communications Card
      O/S: Embedded in Product on Communications Card
Claimed Compatibility Hardware/Software Platforms: 0237 Intel 286
      and up, 100% compatible IBM-PCs with ISA, EISA bus, and PS/2
      with micro-channel bus
Connectivity: 0123   V.24
Underlying Stack: None   Underlying Product: N/A
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0364
         CDA, Incorporated
         8301 Greensboro Drive, #350
         McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 47
Supplier: 000040
                  Encore Computing Corporation
                  6901 West Sunrise Boulevard
                  Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
                  Tel: (305) 587-2900 Fax: (305) 797-5807
GOSIP Product: Encore Infinity 90 Series GPIO I with EnComm
                   X.25 and PAD
   Version/Release: Rev 3.0
   Release Date: 01-JUL-92
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 24-JUN-92   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0059
      ENCORE Infinity 90 Series GPIO with VME Serial
      Synchronous Controller (VSSC) Model 8523-443 UMAX 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005   RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
      X.25 PLP/X.25 LAP-B
      X.25 PLP [ISO 8208:1990] {CCITT 1984}
      X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
         CDA, Incorporated
         8301 Greensboro Drive, #350
         McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 222
Supplier: 000123
                    HEWLETT-PACKARD Company
                    5 Avenue Raymond Chanas-Eybens
                    38053 Grenoble Cedex 09 France
Contact: Jean-Franceis Coudeyre
                    Tel: +33.76.62.56.58
GOSIP Product: X.25 Link for HP 9000 Series 800 (36960A)
  Version/Release: X.25 F/W Rev. 8.27
  Release Date: 01-NOV-93
  Additional Info: Vendor claims that this product is capable of
                    operating on all Classes of HP 9000 Series 800
Registration: FULL, GOSIP Version 2/registered
  Date: 23-FEB-94
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0189
     H/W: HP9000 Series 800
     O/S: HP/UX 9.04
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
                    RS-232C
Underlying Stack: None   Underlying Product:

Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
                    CDA, Incorporated
                    8301 Greensboro Drive, #350
                    McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 17
Supplier: 000025
                    Harris Adacom Corporation
                    16001 Dallas Parkway
                    Dallas, TX 75248
Contact: Gregory Prynn
                    Tel: (214) 386-2000 Fax: (214) 386-2524
GOSIP Product: Challenger ES/174-20
  Version/Release: Rel 2.1
  Release Date: 07-OCT-91
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 17-OCT-91
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0030
     Challenger ES/174-20 Rel 2.1
     DTE/DCE Environment
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                    RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
                    CDA, Incorporated
                    8301 Greensboro Drive, #350
                    McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 18
Supplier: 000025
                    Harris Adacom Corporation
                    16001 Dallas Parkway
                    Dallas, TX 75248
Contact: Gregory Prynn
                    Tel: (214) 386-2000
                    Fax: (214) 386-2524
GOSIP Product: Challenger ES/174-10
  Version/Release: Rel 2.1
  Release Date: 07-OCT-91
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 30-OCT-91
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0031
     Challenger ES/174-10 Ver 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                    RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
                    CDA, Incorporated
                    8301 Greensboro Drive, #350
                    McLean, VA 22102-3603
                    USA

Product Code/Type: P-001 WAN   Product ID: 19
Supplier: 000025
                    Harris Adacom Corporation
                    16001 Dallas Parkway
                    Dallas, TX 75248
Contact: Gregory Prynn
                    Tel: (214) 386-2000
                    Fax: (214) 386-2524
GOSIP Product: Challenger ES/174-60
  Version/Release: Rel 2.1
  Release Date: 07-OCT-91
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 30-OCT-91
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0032
     Challenger ES/174-60 Ver 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                    RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
                    CDA, Incorporated
                    8301 Greensboro Drive, #350
                    McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 2
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park. NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0003
Communications Controllers IBM 3745
MVS/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Ver 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 5
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0002
Communications Controllers IBM 3745 MVS/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Ver 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002 V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 6
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0006
Communications Controllers IBM 3745
VM/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 7
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0005
Communications Controllers IBM 3745
VM/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 8
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0009
Communications Controllers IBM 3720 MVS/ESA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 9
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0004
Communications Controllers IBM 3745 MVS/ESA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 10
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0011
Communications Controllers IBM 3720 VM/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms:0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 11
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0007
Communications Controllers IBM 3720 MVS/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 12
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0008
Communications Controllers IBM 3720 MVS/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 14
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 10-JUL-91 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0010
Communications Controllers IBM 3720 VM/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 15
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product: IBM AS/400 X.25 Communication Support Program
Version/Release: Ver 2 Rel 1
Release Date: 24-MAY-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 25-SEP-91
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0028
Processor IBM 9402, 9404
OS/400 Ver 2 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195
USA

Product Code/Type: P-001 WAN Product ID: 16
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product: IBM AS/400 X.25 Communication Support Program
Version/Release: Ver 2 Rel 1
Release Date: 24-MAY-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 25-SEP-91
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0027
Processor IBM 9406
OS/400 Ver 2 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 45
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM 6611 Network Processor Model 140
Version/Release: Ver 1.0
Release Date: 26-JUN-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 25-MAR-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0055
IBM 6611 Network Processor
Based on IBM AIX Ver 3.2 for RISC Sys/6000
IBM Multiprotocol Network Program
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 46
Supplier: 000014
IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM 6611 Network Processor Model 170
Version/Release: Ver 1.0 Release Date: 26-JUN-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 25-MAR-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0055
IBM 6611 Network Processor
Based on IBM AIX Ver 3.2 for RISC Sys/6000
IBM Multiprotocol Network Program
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 39
Supplier: 000037
International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN
Support, IBM 7011, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 25-MAR-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 41
Supplier: 000037
International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN Spt,
for IBM 7012,
All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 25-MAR-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN   Product ID: 42
Supplier: 000037
                 International Business Machines Corporation
                 11400 Burnet Road
                 Austin, TX 78758-3493
Contact: John Streck
                 Tel: (919) 254-4360   Fax: (919) 254-5410
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN
                 Support, for IBM 7013, All Models
  Version/Release: Ver 3.2   Release Date: 28-FEB-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 25-MAR-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
    RISC System/6000 Products
    Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
                 V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
                 IBM Corporation - Networking Systems Protocol Center
                 200 Silicon Drive, P.O. Box 12195
                 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN   Product ID: 43
Supplier: 000037
                 International Business Machines Corporation
                 11400 Burnet Road
                 Austin, TX 78758-3493
Contact: John Streck
                 Tel: (919) 254-4360   Fax: (919) 254-5410
GOSIP Product: IBM AIX FOR RISC SYSTEM/6000, X.25 WAN
                 SPT, FOR IBM 7015, All Models
  Version/Release: Ver 3.2   Release Date: 28-FEB-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 25-MAR-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
    RISC System/6000 Products
    Operating System IBM AIX Version 3.2 For RISC System/6000
    Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
                 V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
                 IBM Corporation - Networking Systems Protocol Center
                 200 Silicon Drive, P.O. Box 12195
                 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN   Product ID: 44
Supplier: 000037
                 International Business Machines Corporation
                 11400 Burnet Road
                 Austin, TX 78758-3493
Contact: John Streck
                 Tel: (919) 254-4360   Fax: (919) 254-5410
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN Spt,
                 for IBM 7016, All Models
  Version/Release: Ver 3.2   Release Date: 28-FEB-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 25-MAR-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
    RISC System/6000 Products
    Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
                 V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
                 IBM Corporation - Networking Systems Protocol Center
                 200 Silicon Drive, P.O. Box 12195
                 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN   Product ID: 102
Supplier: 000054
                 International Business Machines Corporation
                 3605 Highway 52 North
                 Rochester, MN 55901-7829
Contact: John Streck
                 Tel: (919) 254-4360
                 Fax: (919) 254-5410
GOSIP Product: IBM AS/400 X.25
  Version/Release: Ver 2 Rel 2
  Release Date: 25-SEP-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0089
    AS/400 Model IBM 9404
    OS/400 Ver 2 Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
    RS-232C, V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
                 IBM Corporation - Networking Systems Protocol Center
                 200 Silicon Drive, P.O. Box 12195
                 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 103
Supplier: 000054
International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AS/400 X.25 Communication Support
Version/Release: Ver 2 Rel 2 Release Date: 26-JUN-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0090
AS/400 Model IBM 9402, 9406
OS/400 Ver 2 Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 104
Supplier: 000054
International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829
Contact: John Streck
Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product: X.25 Network Control Program Packet Switching
Interface
Version/Release: Ver 3 Rel 5
Release Date: 25-SEP-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0088
IBM 3745 Communication Controller
Network Control Program Ver 6
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35

Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 125
Supplier: 000054
International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AS/400 X.25 Communications Support
Version/Release: Ver 2, Rel 1.1 Release Date: 26-JUN-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0110
IBM AS/400 Models 9402, 9404, 9406
OS/400 Ver 2 Rel 1.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 162
Supplier: 000078
International Business Machines Corporation
P.O. Box 12195
Research Triangle Park, NC 27709
Contact: Miriam Green
Tel: (919) 254-6323
GOSIP Product: X.25 Network Control Program Packet Switching
Interface
Version/Release: Version 3 Release 6 Release Date: 30-APR-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 28-MAY-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0146
IBM 3745
Network Control Program Ver 6 Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0087
V.24 or RS-232C (X.21bis), V.35
X.21 switched and non-switched
ISDN via X.21 (IBM 7820 Terminal Adaptor)
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0074
X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {ISO 8208}
X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 183
Supplier: 000095
International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829
Contact: Glenn Van Benschoten
Tel: (507)253-5723
GOSIP Product: AS/400 X.25 Communication Support
Version/Release: Version 2 Release 3
Release Date: 05-NOV-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 03-AUG-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0167
H/W: IBM 9402, 9404, 9406
O/S: OS/400 Version 2 Release 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0074
X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {ISO 8208}
X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 227
Supplier: 000124
International Business Machines Corporation
South Miami Boulevard P.O. Box 12195
Research Triangle Park, NC 27709
Contact: Miriam Green
Tel: (919) 254-6323
GOSIP Product: X.25 Network Control Program Packet Switching
Interface
Version/Release: Version 3 Release 7
Release Date: 31-MAR-94
Additional Info: None
Registration: FULL, GOSIP Version 2/registered
Date: 23-FEB-94
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0193
H/W: IBM 3745
O/S: Network Control Program Version 7 Release 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1A & ATS:2-2A
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 20
Supplier: 000026
MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070
Contact: Kevin Good
Tel: (703) 318-5600
Fax: (703) 318-7575
GOSIP Product: 1174-60R
Version/Release: Ver B1.3
Release Date: 17-OCT-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 30-OCT-91
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0033
1174-60R Ver B1.3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 21
Supplier: 000026
MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070
Contact: Kevin Good
Tel: (703) 318-5600
Fax: (703) 318-7575
GOSIP Product: 1174-90R
Version/Release: Ver B1.3
Release Date: 17-OCT-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 30-OCT-91
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0035
1174-90R Ver B1.3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 22
Supplier: 000026
MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070
Contact: Kevin Good
Tel: (703) 318-5600
Fax: (703 318-7575
GOSIP Product: 1174-10R
Version/Release: Ver B1.3
Release Date: 17-OCT-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 30-OCT-91
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0034
1174-10R Ver B1.3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 27
Supplier: 000028
McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464
Contact: Steve Cartwright
Tel: (303) 460-9200
GOSIP Product: LinkMaster 7100 Model 20R
Version/Release: Rel 3.0
Release Date: 11-NOV-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 17-DEC-91
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0040
LinkMaster 7100 Model 20R
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0006
RS-232C, V.35, X.21
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 28
Supplier: 000028
McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464
Contact: Steve Cartwright
Tel: (303) 460-9200
GOSIP Product: LinkMaster 7100 Model 90
Version/Release: Rel 3.0
Release Date: 11-NOV-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 29-JAN-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0043
LinkMaster 7100 Model 90
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044 RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 29
Supplier: 000028
McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464
Contact: Steve Cartwright
Tel: (303) 460-9200
GOSIP Product: LinkMaster 7100 Model 10
Version/Release: Rel 3.0
Release Date: 11-NOV-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 29-JAN-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0044
LinkMaster 7100 Model 10
Claimed Compatibility Hardware/Software Platforms:
0001

Connectivity: 0006
RS-232C, V.35, X.21
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 30
Supplier: 000028
McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464
Contact: Steve Cartwright
Tel: (303) 460-9200
GOSIP Product: LinkMaster 7100 Model 60
Version/Release: Rel 3.0
Release Date: 11-NOV-91
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 29-JAN-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0045
LinkMaster 7100 Model 60
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 62
Supplier: 000043
NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison
Tel: (619) 693-5665
Fax: (619) 693-5705
GOSIP Product: NCR System 3000, X.25 Network Services
Version/Release: Release 1.04
Release Date: 01-AUG-92
Additional Info: Packet Layer Protocol Only.
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 09-SEP-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0063
H/W: NCR System 3000 consisting of the following hardware
models: 3320, 3340, 3345, 3447, 3450, 3550 and 3600
O/S: NCR UNIX SVR4, (MP-RAS),Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0098
X.25 LAP-B/RS-232C
Underlying Stack: NCR MUOE HDLC, Rel 1.04 Underlying Product:
Protocols and Profiles: 0076
X.25 PLP [ISO 8208:1990] {ISO 8208}
ATS Used: ATS:1-2
Conformance Lab: 0363
Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 189
Supplier: 000043
NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison
Tel: (619) 693-5665 Fax: (619) 693-5705
GOSIP Product: NCR MUOE HDLC
Version/Release: Release 1.04
Release Date: 01-AUG-92
Additional Info: Requires NCR System 3000, X.25 Network Services
product for full X.25 capability.
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 09-SEP-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0063
H/W: NCR System 3000 consisting of the following hardware
models: 3320, 3340, 3345, 3447, 3450, 3550 and 3600
O/S: NCR UNIX SVR4, (MP-RAS),Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
RS-232C
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0006
X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:1-1
Conformance Lab: 0363
Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 216
Supplier: 000112
NCR
2700 Snelling Avenue North
Roseville, MN 55113-1784
Contact: David Loomis
Tel: 612-638-7663
GOSIP Product: X.25
Version/Release: Version 2 Release 2
Release Date: 01-DEC-93
Additional Info:
Registration: FULL, GOSIP Version 2/registered
Date: 20-JAN-94
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0183
H/W: 5600 Communications Processor Family (5630, 5645,
5655, 5665, 5675)
O/S: COS2/56, CB1 R2E
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0363
Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 64
Supplier: 000049
                  NETRIX Corporation
                  13595 Dulles Technology Drive
                  Herndon, VA 22071
Contact: Ted Ritter
                  Tel: (703) 742-6000   Fax: (703) 742-4048
GOSIP Product: NETRIX #1-ISS GOSIP X.25, GOSIP X.25
                  INTERFACE MODULE
  Version/Release: Ver 1.0 Rel 1   Release Date: 01-SEP-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 06-OCT-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0072
        Netrix #1-ISS Series 1.0, Netrix Operating System Rel 2.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                  RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 143
Supplier: 000049
                  NETRIX Corporation
                  13595 Dulles Technology Drive
                  Herndon, VA 22071
Contact: Ted Ritter
                  Tel: (703) 742-6000
                  Fax: (703) 742-4048
GOSIP Product: NETRIX #1-ISS GOSIP X.25, GOSIP X.25
INTERFACE MODULE
  Version/Release: Ver 1.0 Rel 1
  Release Date: 01-SEP-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 31-MAR-93
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0134
                  Netrix #1-ISS Series 1000
                  Netrix OS Rel 1.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                  RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 164
Supplier: 000049
                  NETRIX Corporation
                  13595 Dulles Technology Drive
                  Herndon, VA 22071
Contact: Ted Ritter
                  Tel: (703) 742-6000   Fax: (703) 742-4048
GOSIP Product: Netrix S100 GOSIP X.25 Interface Module 1.0
  Version/Release: Version 1.0
  Release Date: 01-JUN-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 24-JUN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0147
        H/W: Netrix Series 100 O/S: S100 O/S Rel 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
                  RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 165
Supplier: 000049
                  NETRIX Corporation
                  13595 Dulles Technology Drive
                  Herndon, VA 22071
Contact: Ted Ritter
                  Tel: (703) 742-6000
                  Fax: (703) 742-4048
GOSIP Product: Netrix BRX GOSIP X.25 Interface Module 1.0
  Version/Release: Version 1.0
  Release Date: 01-JUN-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 24-JUN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0148
        H/W: BRX Branch Router/Concentrator
        O/S: BRX O/S Rel 3.3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
                  V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 168
Supplier: 000086
                 Northern Telecom ATTN: NORTEL Federal Systems
                 2010 Corporate Ridge. Suite 800
                 McLean, VA 22102
Contact: Torre Albritton
                 Tel: (703) 712-8764   Fax: (703) 712-8982
GOSIP Product: Magellan DPN-100
  Version/Release: G30S002
  Release Date: 01-JAN-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 08-JUL-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0152
                 H/W: Magellan DPN-100
                 O/S: Magellan DPN-100 G30
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
                 RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0074
     X.25 PLP/(X.25 LAP-B)
     X.25 PLP [ISO 8208:1990] {ISO 8208}
     X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0363
                 Corporation for Open Systems International Test Center
                 8260 Willow Oaks Corp Drive, Suite 700
                 Fairfax, VA 22031

Product Code/Type: P-001 WAN   Product ID: 65
Supplier: 000050
                 SUN MicroSystems, Inc. International Centre for
Network
                 Computing
                 32 Rue du Vieux Chene
                 F-38240 Meylan France
Contact: Tom Hull
                 Tel: +33 76 41 42 18
                 Fax: +33 76 41 42 41
GOSIP Product: SUNNet X.25
  Version/Release: Ver 7.0.1 Rel 1
  Release Date: 01-OCT-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 07-OCT-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0073
                 Sun 4/75
                 SunNET O/S 4.1.2 (Solaris 1.0.1)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                 RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0364
                 CDA, Incorporated
                 8301 Greensboro Drive, #350
                 McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 152
Supplier: 000050
                 SUN MicroSystems, Inc. International Centre for
Network
                 Computing
                 32 Rue du Vieux Chene F-38240 Meylan France
Contact: Tom Hull
                 Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SUNLink X.25 8.0 Rev B
  Version/Release: 8.0 Rev B
  Release Date: 01-JUN-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 06-MAY-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0093
                 H/W: SPARCstation 10 Model 41
                 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                 RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0364
                 CDA, Incorporated
                 8301 Greensboro Drive, #350
                 McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 151
Supplier: 000074
                 Sync Research, Incorporated
                 7 Studebaker
                 Irvine, CA 92718
Contact: Sal Mungo
                 Tel: (714) 588-2070   Fax: (714) 588-2080
GOSIP Product: Network Access Concentrator (NAC) 4000
  Version/Release: Ver 8.150
  Release Date: 31-MAY-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 29-APR-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0141
     Network Access Concentrator (NAC) 4000
     Proprietary
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0080
                 V.24, RS-232C, V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0361
                 IBM Corporation - Networking Systems Protocol Center
                 200 Silicon Drive, P.O. Box 12195
                 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN   Product ID: 153
Supplier: 000074
                   Sync Research, Incorporated
                   7 Studebaker
                   Irvine, CA 92718
Contact: Sal Mungo
                   Tel: (714) 588-2070
                   Fax: (714) 588-2080
GOSIP Product: SNA Network Access Converter (SNAC) 6000
  Version/Release: Ver 10.010
  Release Date: 30-SEP-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 06-MAY-93
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0142
     Network Access Concentrator (NAC) 4000 SNAC 6000
     Proprietary
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0080
                   V.24, RS-232C, V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0361
                   IBM Corporation - Networking Systems Protocol Center
                   200 Silicon Drive, P.O. Box 12195
                   Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN   Product ID: 185
Supplier: 000096
                   Telematics International
                   1201 Cypress Creek Road
                   Fort Lauderdale, FL 33309
Contact: Terry Rihel
                   Tel: (818) 880-4900   Fax: (818) 880-4726
GOSIP Product: ACP50 X25 Version 10.04
  Version/Release: Version 10.04
  Release Date: 30-JUL-93
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
  Date: 05-AUG-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0165
                   H/W: ACP50
                   O/S: N/A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
                   RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 69
Supplier: 000047
                   UNISYS Corporation
                   8008 Westbrook Drive
                   McLean, VA 22102
Contact: Keith Fretz
                   Tel: (703) 556-5665
                   Fax: (703) 556-5172
GOSIP Product: X.25 PSCS
  Version/Release: 51RA & PCRs UP TO 1929 INCLUSIVE
  Release Date: 01-OCT-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 19-OCT-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0077
     DCP-15, DCP/OS 5R2A, TELCON 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
                   RS-232C, V.35
Underlying Stack: None.   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0367
                   UNISYS - Open Systems Interconnection Laboratory
                   P.O. Box 203, 2450 Swedesford Road
                   Paoli, PA 19301

Product Code/Type: P-001 WAN   Product ID: 131
Supplier: 000060
                   UNISYS Corporation
                   8008 West Park Drive
                   McLean, VA 22102
Contact: Dale Pluta
                   Tel: (703) 556-5682
                   Fax: (703) 556-5172
GOSIP Product: CP2000 X.25 Protocol
  Version/Release: Ver 30.00.192
  Release Date: 30-SEP-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 01-FEB-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0119
     CP2000 with LMH Card, O/S CP2000 Operating Software Ver 3.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0005
                   RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
     X.25 PLP/X.25 LAP-B
     X.25 PLP [ISO 8208:1990] {CCITT 1984}
     X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0367
                   UNISYS - Open Systems Interconnection Laboratory
                   P.O. Box 203, 2450 Swedesford Road
                   Paoli, PA 19301

Product Code/Type: P-001 WAN Product ID: 226
Supplier: 000060
                UNISYS Corporation
                8008 West Park Drive
                McLean, VA 22102
Contact: Dale Pluta
                Tel: (703) 556-5682   Fax: (703) 556-5172
GOSIP Product: USU6100-X25
  Version/Release: Version 5.0.3
  Release Date: 01-DEC-93
  Additional Info: None
Registration: FULL, GOSIP Version 2/registered
    Date: 24-FEB-94   Reason for Removal:
    Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0192
        H/W: U6000/100
        O/S: UnixWare Application Server, Version 1.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
                RS-232C
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0367
                UNISYS - Open Systems Interconnection Laboratory
                P.O. Box 203, 2450 Swedesford Road
                Paoli, PA 19301

Product Code/Type: P-001 WAN Product ID: 200
Supplier: 000104
                Wellfleet Communications, Inc.
                8 Federal Street
                Billerica, MA 01821
Contact: Kathy Huber
                Tel: (508) 663-6676   Fax: (508) 670-5747
                Email: khuber@wellfleet.com
GOSIP Product: Link Node (LN) S/W Version 5.81
  Version/Release: Version 5.81
  Release Date: 24-SEP-93
  Additional Info: The LN System is a stand-alone self contained
router.
Registration: FULL, GOSIP Version 2/registered
    Date: 13-OCT-93
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0174
        H/W: Link Node (LN) w/ ACE 20 Processor & Dual Sync Dual
        Ethernet(DSDE) I/O Card
        O/S: Embedded in GOSIP product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
                V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0364
                CDA, Incorporated
                8301 Greensboro Drive, #350
                McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 201
Supplier: 000104
                Wellfleet Communications, Inc.
                8 Federal Street
                Billerica, MA 01821
Contact: Kathy Huber
                Tel: (508) 663-6676   Fax: (508) 670-5747
                Email: khuber@wellfleet.com
GOSIP Product: Access Feeder Node (AFN) S/W Version 5.81
  Version/Release: Version 5.81   Release Date: 24-SEP-93
  Additional Info: The AFN System is a stand alone self-contained
                router.
Registration: FULL, GOSIP Version 2/registered
    Date: 13-OCT-93   Reason for Removal:
    Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0175
        H/W: Access Feeder Node (AFN)
        O/S: Embedded in Product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089   V.35
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 and ATS:2-1
Conformance Lab: 0364
                CDA, Incorporated
                8301 Greensboro Drive, #350
                McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 244
Supplier: 000104
                Wellfleet Communications, Inc.
                8 Federal Street
                Billerica, MA 01821
Contact: Kathy Huber
                Tel: (508) 663-6676   Fax: (508) 670-5747
                Email: khuber@wellfleet.com
GOSIP Product: Backbone Concentrator Node (BCN) S/W Version
                7.70 Version/Release: Version 7.70
  Release Date: 24-MAR-94
  Additional Info: Vendor claims CCITT 1988 support.
Registration: FULL, GOSIP Version 2/registered
    Date: 03-MAY-94
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0202
        Backbone Concentrator Node (BCN)-DSDE I/O Cards.
Claimed Compatibility Hardware/Software Platforms: 0203
        Dual Port Ethernet Link Module (DE) I/O Card
        Quad Port Ethernet Link Module (QENET) I/O Card
        Quad Port Synchronous Link Module (QSYNC) I/O Card
Connectivity: 0089
                V.35
Underlying Stack: None   Underlying Product: n/a
Protocols and Profiles: 0001
        X.25 PLP/X.25 LAP-B
        X.25 PLP [ISO 8208:1990] {CCITT 1984}
        X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
                CDA, Incorporated
                8301 Greensboro Drive, #350
                McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 245
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel:(508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Link Node (LN) S/W Version 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: Claimed HW are I/O Cards which are
        interchangeable with the DSDE I/O Card. Multiple I/O
        Cards may be used within the same node.
Registration: FULL, GOSIP Version 2/registered
  Date: 17-MAY-94   Reason for Removal:
  Basis: DERIVED   Base Products: 244
Tested Hardware/Operating System Platforms: 0207
  H/W: Link Node (LN) DSDE I/O Card
  O/S: Embedded in Product
Claimed Compatibility Hardware/Software Platforms: 0208
  H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
  O/S: Embedded in product
Connectivity: 0089   V.35
Underlying Stack: None   Underlying Product: 244
Protocols and Profiles: 0001   X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 246
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Backbone Link Node (BLN) S/W Version 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: Claimed HW are I/O Cards which are
        interchangeable with the DSDE I/O Card. Multiple I/O
        Cards may be used within the same node.
Registration: FULL, GOSIP Version 2/registered
  Date: 17-MAY-94   Reason for Removal:
  Basis: DERIVED   Base Products: 244
Tested Hardware/Operating System Platforms: 0209
  H/W: Backbone Link Node (BLN) DSDE I/O Card
  O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0208
  H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
  O/S: Embedded in product
Connectivity: 0089   V.35
Underlying Stack: None   Underlying Product: 244
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 247
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Concentrator Node (CN) S/W Version 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: Vendor claims CCITT 1988 support.
Registration: FULL, GOSIP Version 2/registered
  Date: 03-MAY-94   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0204
    Concentrator Node (CN)-DSDE I/O Cards
Claimed Compatibility Hardware/Software Platforms: 0205
    Dual Port Ethernet Link Module (DE) I/O Card
    Quad Port Ethernet Link Module (QENET) I/O Card
    Quad Port Synchronous Link Module (QSYNC) I/O Card
Connectivity: 0089   V.35
Underlying Stack: None   Underlying Product: n/a
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 248
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Feeder Node (FN) S/W Version 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: Claimed HW are I/O Cards which are
        interchangeable with the DSDE I/O Card. Multiple I/O
        Cards may be used within the same node.
Registration: FULL, GOSIP Version 2/registered
  Date: 17-MAY-94   Reason for Removal:
  Basis: DERIVED   Base Products: 244
Tested Hardware/Operating System Platforms: 0210
  H/W: Feeder Node (FN) DSDE I/O Card
  O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0208
  H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
  O/S: Embedded in product
Connectivity: 0089   V.35
Underlying Stack: None   Underlying Product: 244
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-001 WAN   Product ID: 275
Supplier: 000104
            Wellfleet Communications, Inc.
            8 Federal Street
            Billerica, MA 01821
Contact: Kathy Huber
            Tel: (508) 663-6676   Fax: (508) 670-5747
            Email: khuber@wellfleet.com
GOSIP Product: Access Feeder Node (AFN) S/W Version 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: None
Registration: FULL, GOSIP Version 2/registered
    Date: 22-AUG-94   Reason for Removal: N/A
    Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0175
    H/W: Access Feeder Node (AFN)
    O/S: Embedded in Product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0089
                 V.35
Underlying Stack: N/A Underlying Product: N/A
Protocols and Profiles: 0001
    X.25 PLP/X.25 LAP-B
    X.25 PLP [ISO 8208:1990] {CCITT 1984}
    X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 & ATS:2-2
Conformance Lab: 0364
                 CDA, Incorporated
                 8301 Greensboro Drive, #350
                 McLean, VA 22102-3603

Product Code/Type: P-002 LAN   Product ID: 37
Supplier: 000034
            3Com Corporation
            5600 Bayfront Plaza, PO Box 58145
            Santa Clara, CA 95052-8145
Contact: Howard Chan
            Tel: (408) 764-5827
GOSIP Product: Etherlink 16, 3C507
  Version/Release: Rev A
  Release Date: 01-AUG-90
  Additional Info:
Registration: PROV, GOSIP Version 1/registered
    Date: 14-FEB-92
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0050
    PC AT 80386, MS DOS 3.3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0027
                 PLS{802.3}/10Base5
Underlying Stack: Information not available   Underlying Product:
Protocols and Profiles: 0007
    MAC [ISO 8802-3:1989]
ATS Used: ATS:1-3
Conformance Lab: 0363
                 Corporation for Open Systems International Test Center
                 8260 Willow Oaks Corp Drive, Suite 700
                 Fairfax, VA 22031

Product Code/Type: P-002 LAN   Product ID: 3
Supplier: 000015
            Bull Information Systems Incorporated
            Technology Park
            Billerica, MA 01821-4199
Contact: Kenneth Finkenauer
            Tel: (508) 294-2909
GOSIP Product: Local Area Controller Subsystem (LACS)
  Version/Release: Release Date:
  Additional Info:
Registration: PROV, GOSIP Version 1/registered
    Date: 01-APR-91
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0012
    DPS6000/HVS6 Release 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0003
                 Not noted.
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0002
    LLC1{802.2}/MAC & PLS{802.3}
    LLC1 [ISO 8802-2:1989]
    MAC [ISO 8802-3:1989]
    PLS [ISO 8802-3:1989]
ATS Used: ATS:1-3 and ATS:1-6
Conformance Lab: 0363
                 Corporation for Open Systems International Test Center
                 8260 Willow Oaks Corp Drive, Suite 700
                 Fairfax, VA 22031

Product Code/Type: P-002 LAN   Product ID: 79
Supplier: 000003
            Control Data Corporation
            4201 North Lexington Avenue
            Arden Hills, MN 55126-6198
Contact: Ronald Swan
            Tel: (612) 482-6257   Fax: (612) 482-3616
GOSIP Product: CDCNET Ethernet Serial Channel Interface
  Version/Release: LLC/MAC 1.7.1, PLS 1.6.1
  Release Date: 01-OCT-92
  Additional Info: '
Registration: PROV, GOSIP Version 1/registered
    Date: 15-OCT-92
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0081
    Device Interface Model #GH120B, Equipment #DY0227-B,
    Product #2608-6 (Stand-alone Machine) O/S None
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0003
                 Not noted.
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0002
    LLC1{802.2}/MAC & PLS{802.3}
    LLC1 [ISO 8802-2:1989]
    MAC [ISO 8802-3:1989]
    PLS [ISO 8802-3:1989]
ATS Used: ATS:1-3 and ATS:1-6
Conformance Lab: 0363
                 Corporation for Open Systems International Test Center
                 8260 Willow Oaks Corp Drive, Suite 700
                 Fairfax, VA 22031

Product Code/Type: P-003 ES-IS Product ID: 167
Supplier: 000088
3Com Corporation
5400 Bayfront Plaza
Santa Clara, CA 95052-8145
Contact: Mike Ratzlaff
Tel: (408) 764-6000 Fax: (408) 764-5002
GOSIP Product: NETBuilder II Extended WAN 3C6242A-GOSIP
Version/Release: Version 6.1.5 Release Date: 04-JUN-93
Additional Info:
Registration: PROV, GOSIP Version 2/registered
Date: 23-JUN-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0151
NETBuilder II (4 or 8 port chassis) with 2 Ethernet Modules
SW/NB II-WX, V6.1.5
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0093
Port1: LLC1{802.2}/MAC{802.3}/10Base2
Port2: LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: NETBuilder II Ethernet Module (Embedded in
Product)
Underlying Product:
Protocols and Profiles: 0071
CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
{Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0371
Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 206
Supplier: 000088
3Com Corporation
5400 Bayfront Plaza
Santa Clara, CA 95052-8145
Contact: Mike Ratzlaff
Tel: (408) 764-6000 Fax: (408) 764-5002
GOSIP Product: NETBuilder II Extended WAN 3C6242A-GOSIP
Version/Release: Version 6.2 Release Date: 07-SEP-93
Additional Info:
Registration: PROV, GOSIP Version 2/registered
Date: 15-DEC-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0177
HW:NETBuilder II with 2 Ethernet Modules OS:SW/NB II-XW
Version 6.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0102
Port 1: LLCI{802.2}/MAC{802.3}/10BaseT
Port 2: LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: Embedded in product using the NETBuilder II
Ethernet Module
Underlying Product:
Protocols and Profiles: 0071
CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
{Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 192
Supplier: 000023
Cabletron Systems, Inc.
35 Industrial Way, P.O. Box 5005
Rochester, NH 03867-5005
Contact: Ronald Fotino
Tel: (603) 337-1769 Fax: (603) 337-1697
GOSIP Product: CRM-L
Version/Release: Version 9.1 (3.5) Release Date: 01-MAR-93
Additional Info: The product is a stand-alone system with the O/S
and I/O functions embedded in the product.
Registration: PROV, GOSIP Version 2/registered
Date: 24-SEP-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0171
H/W: CRM-L O/S: CRM-L Version 9.1 (3.5)
H/W: Cisco IGS Router O/S: CRM-L Version 9.1 (3.5)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0086
Port 1: LLC1{802.2}/MAC{802.3}/10Base5
Port 2: LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: Embedded in Product Underlying Product:
Protocols and Profiles: 0071
CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
{Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0371
Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 105
Supplier: 000100
Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435
Contact: Alex Tweedley
Tel: (415) 688-8114
Fax: (415) 688-4575
GOSIP Product: MGS/3 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93
Additional Info:
Registration: PROV, GOSIP Version 2/registered
Date: 15-OCT-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0162
H/W: MGS/3
O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0099
Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
Port 2: X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack: WAN: MGS/3 X.25 Version 2.0 LAN: gs3-k
9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
{Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 127
Supplier: 000100
          Cisco Systems
          1525 O'Brien Drive, P.O. Box 3075
          Menlo Park, CA 94026-1435
Contact: Alex Tweedley
          Tel: (415) 688-8114   Fax: (415) 688-4575
GOSIP Product: CGS/3 X.25 Version 2.0
  Version/Release: Version 2.0   Release Date: 13-JUL-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 15-OCT-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0159
          H/W: CGS/3 O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
          Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
          Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: CGS/3 X.25 Version 2.0. LAN: gs3-k
          9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
    CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
          CDA, Incorporated
          8301 Greensboro Drive, #350
          McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 190
Supplier: 000100
          Cisco Systems
          1525 O'Brien Drive, P.O. Box 3075
          Menlo Park, CA 94026-1435
Contact: Alex Tweedley
          Tel: (415) 688-8114   Fax: (415) 688-4575
GOSIP Product: MGS/4 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 13-JUL-93
  Additional Info: The MGS/4 runs link and packet X.25 plus CLNP
          on the same board/CPU with the OS.
Registration: PROV, GOSIP Version 2/registered
  Date: 17-SEP-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0163
          H/W: MGS/4
          O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0099
          Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
          Port 2: X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack: WAN: MGS/4 X.25 Version 2.0 LAN: gs3-k
          9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
    CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
          CDA, Incorporated
          8301 Greensboro Drive, #350
          McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 196
Supplier: 000100
          Cisco Systems
          1525 O'Brien Drive, P.O. Box 3075
          Menlo Park, CA 94026-1435
Contact: Alex Tweedley
          Tel: (415) 688-8114   Fax: (415) 688-4575
GOSIP Product: AGS+/4 X.25 Version 2.0
  Version/Release: Version 2.0   Release Date: 13-JUL-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 15-OCT-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0164
          H/W: AGS+/4
          O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
          Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
          Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: AGS+/4 X.25 Version 2.0 LAN: gs3-k
          9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
    CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
          CDA, Incorporated
          8301 Greensboro Drive, #350
          McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 197
Supplier: 000100
          Cisco Systems
          1525 O'Brien Drive, P.O. Box 3075
          Menlo Park, CA 94026-1435
Contact: Alex Tweedley
          Tel: (415) 688-8114   Fax: (415) 688-4575
GOSIP Product: AGS+/3 X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: ,13-JUL-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 15-OCT-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0158
          H/W: AGS+/3
          O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
          Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
          Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: AGS+/3 X.25 Version 2.0 LAN: gs3-k
          9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
    CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
          CDA, Incorporated
          8301 Greensboro Drive, #350
          McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 198
Supplier: 000100
                  Cisco Systems
                  1525 O'Brien Drive, P.O. Box 3075
                  Menlo Park, CA 94026-1435
Contact: Alex Tweedley
                  Tel: (415) 688-8114   Fax: (415) 688-4575
GOSIP Product: CGS/4 X.25 Version 2.0
  Version/Release: Version 2.0   Release Date: 13-JUL-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 15-OCT-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0160
                  H/W: CGS/4 O/S: gs3-k 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
                  Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
                  Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: CGS/4 X.25 Version 2.0 LAN: gs3-k
                  9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
      CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 199
Supplier: 000100
                  Cisco Systems
                  1525 O'Brien Drive, P.O. Box 3075
                  Menlo Park, CA 94026-1435
Contact: Alex Tweedley
                  Tel: (415) 688-8114
                  Fax: (415) 688-4575
GOSIP Product: IGS/R X.25 Version 2.0
  Version/Release: Version 2.0
  Release Date: 13-JUL-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 15-OCT-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0161
                  H/W: IGS/R
                  O/S: igs-kr 9.1(30)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
                  Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
                  Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: IGS/R X.25 Version 2.0 LAN: gs3-k
                  9.1(30)(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
      CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 228
Supplier: 000125
                  Cisco Systems
                  1525 O'Brien Drive P.O. Box 3075
                  Menlo Park, CA 94026-1435
Contact: Alex Tweedley
                  Tel: (415) 326-1941   Fax: (415) 688-4575
GOSIP Product: CISCO 4000 X.25 Version 2.0
  Version/Release: Version 2.0   Release Date: 14-MAR-94
  Additional Info: The CISCO 4000 is a stand-alone product. The
                  CISCO 4000 contains all software and hardware
                  required for operation.
Registration: PROV, GOSIP Version 2/registered
  Date: 24-FEB-94   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0194
                  H/W: CISCO 4000 O/S: CISCO O/S 9.21
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
                  Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
                  Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: CISCO 4000 X.25 Version 2.0; LAN:
                  CISCO O/S 9.21(LLC) and Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071
      CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 235
Supplier: 000130
                  Cisco Systems
                  1525 O'Brien Drive P.O. Box 3075
                  Menlo Park, CA 94026-1435
Contact: Alex Tweedley
                  Tel: (415) 326-1941   Fax: (415) 688-4575
                  Email: agt@cisco.com
GOSIP Product: CISCO 3104 X.25 Version 2.0
  Version/Release: Version 2.0   Release Date: 17-JAN-94
  Additional Info: Tested hardware platform is CISCO 3104. The
                  CISCO 3104 is a stand-alone product containing all SW and
                  HW required for operation. Compatible HW as listed.
Registration: PROV, GOSIP Version 2/registered
  Date: 16-MAR-94   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0198
      H/W: CISCO 3101, 3102, & 3104 O/S: CISCO 9.21
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0113
      X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: CISCO 3104 X.25 Version 2.0; LAN:
                  CISCO O/S 9.21 (LLC) and Lance AMD (MAC)
Underlying Product:
Protocols and Profiles: 0071
      CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
      {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 237
Supplier: 000130
                   Cisco Systems
                   1525 O'Brien Drive P.O. Box 3075
                   Menlo Park, CA 94026-1435
Contact: Alex Tweedley
                   Tel: (415) 326-1941   Fax: (415) 688-4575
                   Email: agt@cisco.com
GOSIP Product: CISCO 7000 X.25 Version 2.0
   Version/Release: Version 2.0   Release Date: 17-JAN-94
   Additional Info: Tested hardware platform is CISCO 7000. The
         CISCO 7000 is a stand-alone product containing all SW and
         HW required for operation. Compatible HW as listed.
Registration: PROV, GOSIP Version 2/registered
   Date: 10-MAR-94   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0197
                   H/W: CISCO 7000 & 7010   O/S: CISCO 9.21
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0113
                   X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: CISCO 7000 X.25 Version 2.0; LAN:
                   CISCO O/S 9.21 (LLC) and SEEQ 8003 (MAC)
Underlying Product:
Protocols and Profiles: 0071
         CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
         {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 255
Supplier: 000130
                   Cisco Systems
                   1525 O'Brien Drive P.O. Box 3075
                   Menlo Park, CA 94026-1435
Contact: Alex Tweedley
                   Tel: (415) 326-1941   Fax: (415) 688-4575
                   Email: agt@cisco.com
GOSIP Product: CISCO 2501 X.25 Version 2.0
   Version/Release: Version 2.0   Release Date: 14-MAR-94
   Additional Info: The CISCO 2501 is a stand-alone product containing
         all SW and HW required for operation.
Registration: PROV, GOSIP Version 2/registered
   Date: 25-MAY-94   Reason for Removal:
   Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0214
                   H/W: CISCO 2501 O/S: CISCO O/S 9.21
Claimed Compatibility Hardware/Software Platforms: 0215
                   H/W: CISCO 2503
Connectivity: 0101
                   Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
                   Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: CISCO 2501 X.25 Version 2.0; LAN:
                   CISCO O/S 9.21 (LLC) and Lance AMD(MAC)
Underlying Product: 254
Protocols and Profiles: 0071
         CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
         {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 148
Supplier: 000066
                   Cisco Systems, Incorporated
                   1525 O'Brien Drive
                   Menlo Park, CA 94025
Contact: Susan Scheer
                   Tel: (415) 688-8131   Fax: (415) 688-7666
GOSIP Product: Cisco Systems Router
   Version/Release: Ver 9 Rel 1
   Release Date: 01-NOV-92
   Additional Info:
Registration: PROV, GOSIP Version 2/registered
   Date: 20-APR-93   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0029
         MGS, CGS, AGS+, IGS, cisco3000, cisco4000, cisco7000
         Cisco Systems Router (Stand-alone System)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0086
                   Port 1: LLC1{802.2}/MAC{802.3}/10Base5
                   Port 2: LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: Embedded in Cisco Router Product Using
                   CSC-2E2T Interface Hardware
Underlying Product:
Protocols and Profiles: 0071
         CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
         {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0371
                   Alcatel TITN Test Center
                   7011 Koll Center Parkway, Suite 200
                   Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 218
Supplier: 000102
                   Data General Corporation
                   4400 Computer Drive
                   Westboro, MA 01580
Contact: Peter Conway
                   Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: OSI/Platform for AViiON Systems
   Version/Release: Version 3.30   Release Date: 01-OCT-93
   Additional Info: Model AV8500 tested. Vendor claims support for
         other H/W models listed.
Registration: PROV, GOSIP Version 2/registered
   Date: 04-FEB-94   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
         H/W: AV8500   O/S: DG/UX System for AViiON
                         Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
         H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
         AV8000, AV8500, AV9000
Connectivity: 0105
                   Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
                   Port 2: LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: LLC and MAC contained in DG/UX 5.4R2.10,
                   embedded in product.
Underlying Product:
Protocols and Profiles: 0033
         CLNP{IS} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 184
Supplier: 000091
   Digital Equipment Corporation
   Imperial Way
   Reading, Berks RG20TE United Kingdom
Contact: Ken Chamberlain
GOSIP Product: DEC Network Integration Server Software (DECNIS)
 Version/Release: Version 2.1   Release Date: 30-APR-93
Registration: PROV, GOSIP Version 2/registered
 Date: 05-AUG-93   Reason for Removal:
 Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0166
   H/W: DECNIS 500, DECNIS 600
   O/S: DECNIS V.21 with embedded OS
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0097
   Port 1: LLC1{802.2}/MAC{802.3}/10Base5
   Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: DEC Network Integration Server S/W,
    DNSAE-AA, BNEA4D-02, and H4005. WAN: DEC
    Network Integration Server S/W and DNSAB-AA
Underlying Product:
Protocols and Profiles: 0071
   CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
   {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0362
    Digital Equipment Corporation, OSI Conformance
    Interoperability Test Center
    550 King Street, MS LKG2A/R5
    Littleton, MA 01460-1289

Product Code/Type: P-003 ES-IS Product ID: 210
Supplier: 000110
    Proteon, Inc.
    9 Technology Drive
    Westborough, MA 01581-1799
Contact: Bob Reason
    Tel: (508) 898-2800   Fax: (508) 366-8901
GOSIP Product: CNX500 OSI-ISO CLNP/ESIS/ISIS
 Version/Release: Version 13.0C
 Release Date: 01-NOV-93
 Additional Info: Currently, IS-IS is not within the scope of the
     GOSIP program; therefore, the IS-IS portion of this
     product cannot claim GOSIP compliance.
Registration: PROV, GOSIP Version 2/registered
 Date: 28-DEC-93   Reason for Removal:
 Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0180
   H/W: CNX500, CNX400, CNX600, DNX300
   O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0102
    Port 1: LLCI{802.2}/MAC{802.3}/10BaseT
    Port 2: LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: Embedded in product.   Underlying Product:
Protocols and Profiles: 0071
   CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
   {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 70
Supplier: 000047
    UNISYS Corporation
    8008 Westbrook Drive
    McLean, VA 22102
Contact: Keith Fretz
    Tel: (703) 556-5665   Fax: (703) 556-5172
GOSIP Product: DCP OSITS
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207
 Release Date: 08-APR-92   Additional Info:
Registration: PROV, GOSIP Version 1/registered
 Date: 16-OCT-92   Reason for Removal:
 Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0078
   DCP-15 through DCP-55 Front End Processors
   DCP/OS Ver 5R2A and TELCON Ver 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0040
    Port 1: LLC1{802.2}/MAC{802.3}
    Port 2: X.25 PLP/X.25 LAP-B
Underlying Stack: LAN Platform 2R2A, DCP 802.3 Lan Line Module,
   Feature #F5137-00. WAN: PSCS (Ver 51RA & PCRs), DCP-15.
Underlying Product:
Protocols and Profiles: 0033
   CLNP{IS} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7.1
Conformance Lab: 0367
    UNISYS - Open Systems Interconnection Laboratory
    P.O. Box 203, 2450 Swedesford Road
    Paoli, PA 19301

Product Code/Type: P-003 ES-IS Product ID: 186
Supplier: 000097
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Dan Mulvey
    Tel: (703) 739-6710   Fax: (703) 739-1394
GOSIP Product: Wellfleet Communications Router
 Version/Release: Version 5.81   Release Date: 24-SEP-93
Registration: PROV, GOSIP Version 2/registered
 Date: 24-AUG-93   Reason for Removal:
 Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0168
   H/W: Concentrator Node (CN) w/ACE020 proc; OS: Embedded in
    product
   Concentrator Node (CN) w/ACE030 proc; OS: Embedded in product
   Link Node (LN) w/ ACE020 processor; OS: Embedded in product
   Link Node (LN) w/ ACE030 processor; OS: Embedded in product
   Feeder Node (FN) w/ ACE020 processor; OS: Embedded in product
   Feeder Node (FN) w/ ACE030 processor; OS: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0086
    Port 1: LLC1{802.2}/MAC{802.3}/10Base5
    Port 2: LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: SW: Embedded in Product; I/O Modules: DE
    (Dual Port Ethernet), DSDE (Dual Ethernet/Dual
    Port Sync), and/or QENET (Quad Port Ethernet)
Underlying Product:
Protocols and Profiles: 0071
   CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
   {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0371
    Alcatel TITN Test Center
    7011 Koll Center Parkway, Suite 200
    Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 202
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Access Feeder Node (AFN) S/W Version 5.81
  Version/Release: Version 5.81   Release Date: 24-SEP-93
  Additional Info: The AFN is a sealed-standalone router with the
    CLNP, OS, and underlying stack contained within the product.
Registration: PROV, GOSIP Version 2/registered
  Date: 04-NOV-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0175
  H/W: Access Feeder Node (AFN) O/S: Embedded in Product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
    Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
    Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: WAN: Embedded in Product (Access Feeder Node
    (AFN) S/W Version 5.81) LAN=> S/W: Embedded in
    Product; I/O Module: Lance AMD(MAC)
Underlying Product:
Protocols and Profiles: 0071   CLNP{IS} [ISO 8473:1988] & ES-IS{IS}
   [ISO 9542:1988]   {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 203
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Link Node (LN) S/W Version 5.81
  Version/Release: Version 5.81   Release Date: 24-SEP-93
  Additional Info: The LN is a standalone router with the CLNP, OS,
    and underlying stack contained within the product.
Registration: PROV, GOSIP Version 2/registered
  Date: 04-NOV-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0176
    H/W: Link Node (LN) w/ ACE 20 Processor
    O/S: Embedded in Registered Product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101
    Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
    Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN=> SW: Embedded in Product; I/O Module:
    DSDE (Dual Sync Dual Ethernet) WAN=> Embedded
    in the Product (Link Node (LN) S/W Version 5.81)
Underlying Product:
Protocols and Profiles: 0071
   CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
   {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 249
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Backbone Concentrator Node (BCN) S/W Ver 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: Claimed HW are I/O Cards which are
    interchangeable with the DSDE I/O Card. Multiple I/O
    Cards may be used within the same node.
Registration: PROV, GOSIP Version 2/registered
  Date: 17-MAY-94   Reason for Removal:
  Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0211 H/W: Backbone
  Concentrator Node (BCN) - DSDE I/O   O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0212
  H/W: Dual Port Ethernet Link Module (DE) I/O Card; Quad Port
  Ethernet Link Module (QENET) I/O Card; Quad Port Synchronous
  Link Module (QSYNC) I/O Card   O/S: Embedded in product
Connectivity: 0101   Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
    Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: Embedded in prod; WAN: Embedded in prod
Underlying Product: 244
Protocols and Profiles: 0071   CLNP{IS} [ISO 8473:1988] &
    ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 250
Supplier: 000104
    Wellfleet Communications, Inc.
    8 Federal Street
    Billerica, MA 01821
Contact: Kathy Huber
    Tel: (508) 663-6676   Fax: (508) 670-5747
    Email: khuber@wellfleet.com
GOSIP Product: Backbone Link Node (BLN) S/W Version 7.70
  Version/Release: Version 7.70   Release Date: 24-MAR-94
  Additional Info: Claimed HW are I/O Cards interchangeable with the
    DSDE I/O Card. Multiple Cards may be used within the same node.
Registration: PROV, GOSIP Version2/registered
  Date: 17-MAY-94   Reason for Removal:
  Basis: DERIVED   Base Products: 249
Tested Hardware/Operating System Platforms: 0209
    H/W: Backbone Link Node (BLN) DSDE I/O Card
    O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0212
  H/W: Dual Port Ethernet Link Module (DE) I/O Card; Quad Port
  Ethernet Link Module (QENET) I/O Card; Quad Port Synchronous
  Link Module (QSYNC) I/O Card   O/S: Embedded in product
Connectivity: 0101   Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
    Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: Embedded in prod; WAN: Embedded in prod
Underlying Product: 246
Protocols and Profiles: 0071   CLNP{IS} [ISO 8473:1988] & ES-IS{IS}
    [ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
    McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 251
Supplier: 000104
Wellfleet Communications, Inc.
8 Federal Street
Billerica, MA 01821
Contact: Kathy Huber
Tel: (508) 663-6676 Fax: (508) 670-5747
Email: khuber@wellfleet.com
GOSIP Product: Feeder Node (FN) S/W Version 7.70
Version/Release: Version 7.70 Release Date: 24-MAR-94
Additional Info: Claimed HW are I/O Cards which are
interchangeable with the DSDE I/O Card. Multiple I/O Cards
may be used within the same node.
Registration: PROV, GOSIP Version 2/registered
Date: 17-MAY-94 Reason for Removal:
Basis: DERIVED Base Products: 249
Tested Hardware/Operating System Platforms: 0210
H/W: Feeder Node (FN) DSDE I/O Card O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0212
H/W: Dual Port Ethernet Link Module (DE) I/O Card; Quad Port
Ethernet Link Module (QENET) I/O Card; Quad Port Synchronous
Link Module (QSYNC) I/O Card O/S: Embedded in product
Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: Embedded in prod; WAN: Embedded in prod
Underlying Product: 248
Protocols and Profiles: 0071 CLNP{IS} [ISO 8473:1988] & ES-IS{IS}
[ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 252
Supplier: 000104
Wellfleet Communications, Inc.
8 Federal Street
Billerica, MA 01821
Contact: Kathy Huber
Tel: (508) 663-6676 Fax: (508) 670-5747
Email: khuber@wellfleet.com
GOSIP Product: Link Node (LN) S/W Version 7.70
Version/Release: Version 7.70 Release Date: 24-MAR-94
Additional Info: Claimed HW are I/O Cards which are
interchangeable with the DSDE I/O Card. Multiple I/O Cards
may be used within the same node.
Registration: PROV, GOSIP Version 2/registered
Date: 17-MAY-94 Reason for Removal:
Basis: DERIVED Base Products: 249
Tested Hardware/Operating System Platforms: 0207
H/W: Link Node (LN) DSDE I/O Card O/S: Embedded in Product
Claimed Compatibility Hardware/Software Platforms: 0212
H/W: Dual Port Ethernet Link Module (DE) I/O Card; Quad Port
Ethernet Link Module (QENET) I/O Card; Quad Port Synchronous
Link Module (QSYNC) I/O Card O/S: Embedded in product
Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: Embedded in prod; WAN: Embedded in prod
Underlying Product: 245
Protocols and Profiles: 0071 CLNP{IS} [ISO 8473:1988] & ES-IS{IS}
[ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 253
Supplier: 000104
Wellfleet Communications, Inc.
8 Federal Street
Billerica, MA 01821
Contact: Kathy Huber
Tel: (508) 663-6676 Fax: (508) 670-5747
Email: khuber@wellfleet.com
GOSIP Product: Concentrator Node (CN) S/W Version 7.70
Version/Release: Version 7.70
Release Date: 24-MAR-94
Additional Info: Claimed HW are I/O Cards which are
interchangeable with the DSDE I/O Card. Multiple I/O Cards
may be used within the same node.
Registration: PROV, GOSIP Version 2/registered
Date: 17-MAY-94 Reason for Removal:
Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0213
H/W: Concentrator Node (CN) DSDE I/O Card
O/S: Embedded in product
Claimed Compatibility Hardware/Software Platforms: 0212
H/W: Dual Port Ethernet Link Module (DE) I/O Card; Quad Port
Ethernet Link Module (QENET) I/O Card; Quad Port Synchronous
Link Module (QSYNC) I/O Card O/S: Embedded in product
Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: Embedded in prod; WAN: Embedded in prod
Underlying Product: 247
Protocols and Profiles: 0071 CLNP{IS} [ISO 8473:1988] & ES-IS{IS}
[ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 276
Supplier: 000104
Wellfleet Communications, Inc.
8 Federal Street
Billerica, MA 01821
Contact: Kathy Huber
Tel: (508) 663-6676 Fax: (508) 670-5747
Email: khuber@wellfleet.com
GOSIP Product: Access Feeder Node (AFN) S/W Version 7.70
Version/Release: Version 7.70 Release Date: 24-MAR-94
Additional Info: None
Registration: FULL, GOSIP Version 2/registered
Date: 22-AUG-94 Reason for Removal: N/A
Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0175
H/W: Access Feeder Node (AFN) O/S: Embedded in Product
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: Embedded in Prod; WAN: Embedded in Prod
Underlying Product: 275
Protocols and Profiles: 0071 CLNP{IS} [ISO 8473:1988] & ES-IS{IS}
[ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 219

Supplier: 000015

Bull Information Systems Incorporated
Technology Park
Billerica, MA 01821-4199

Contact: Kenneth Finkenauer
Tel: (508) 294-2909 Fax:

GOSIP Product: GCOS6/HVS
Version/Release. Release 2.0 Update 3
Release Date: 23-MAR-92
Additional Info:

Registration: PROV, GOSIP Version 1/registered
Date: 04-FEB-94 Reason for Removal:
Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0184
H/W: DPS6000 w/LACS Controller
O/S: HVS6 Release 2 Update 3

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0106
LLC1{802.2}/MAC{802.3}/LACS Controller

Underlying Stack: IOS 8802.2/8802.3 on Bull HN LACS Controller
for HVS6 Systems

Underlying Product:

Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-9 and ATS:1-7

Conformance Lab: 0355
Bull HN Conformance Test Center
13430 N Black Canyon Hwy, P.O. Box 8000
Phoenix, AZ 85029

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 230

Supplier: 000127

Bull Information Systems, Inc.
13430 North Black Canyon
Phoenix, AZ 85029

Contact: Oscar Hefner
Tel: (602) 862-6001
Fax: (602) 862-4026

GOSIP Product: DPX/20 AIX 3 Stack B
Version/Release: Version 1.0
Release Date: 01-OCT-93
Additional Info: None

Registration: PROV, GOSIP Version 2/registered
Date: 08-MAR-94 Reason for Removal:
Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0195
H/W: DPX/20 Models 100, 400, 600, & 800
O/S: AIX Version 3

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0107
LLC1{802.2}/MAC{802.3}/10Base5

Underlying Stack: DPX/20 AIX 802.3 Underlying Product:

Protocols and Profiles: 0004
TP4-CLNS/CLNP{ES} & ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtng Claimed}

ATS Used: ATS:2-9.1 and ATS:2-7

Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 94

Supplier: 000001

Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DPX/2 B.O.S. (Stack B)
Version/Release: Ver 2
Release Date: 01-OCT-91
Additional Info: None

Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: BASE
Base Products: n/a

Tested Hardware/Operating System Platforms: 0087
DPX/2 200, O/S B.O.S. 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046
X.25 PLP/HDLC LAP-B

Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer

Underlying Product:

Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 95

Supplier: 000001

Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar Hefner
Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product: Datanet (DCP 7500)
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92
Additional Info: None

Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: BASE
Base Products: n/a

Tested Hardware/Operating System Platforms: 0086
DCP 7500
O/S DNS Ver 4 Update 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046
X.25 PLP/HDLC LAP-B

Underlying Stack: DATANET DCP 7500 X.25 Packet Layer
DATANET DCP 7500 X.25 Frame Layer

Underlying Product:

Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 96
Supplier: 000001
Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: DPX/2 B.O.S. (Stack B)
Version/Release: Ver 2 Release Date: 01-OCT-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0087
DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 97
Supplier: 000001
Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001
Fax: (602) 862-6051
GOSIP Product: DPX/2 B.O.S. (Stack B)
Version/Release: Ver/Rel 2
Release Date: 01-OCT-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0087
DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack: DPX/2, BOS 2, ISO 8802-2/3 (LAN)
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 98
Supplier: 000001
Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: DATANET DCP 7500
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0086
DCP 7500
O/S DNS Ver 4 Update 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack: Datanet DCP 7500 ISO 8802-2/3 (LAN)
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 99
Supplier: 000001
Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: DATANET DCP 7500
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-NOV-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0086
DCP 7500
O/S DNS Ver 4 Update 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: Datanet DCP 7500 X.25 Packet Layer; Datanet
DCP 7500 X.25 Frame Layer
Underlying Product:
Protocols and Profiles: 0011
Transport Class 4-CONS [ISO 8073:1988]
ATS Used: ATS:1-9
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 101
Supplier: 000001
                   Bull Information Systems, Incorporated
                   13430 North Black Canyon Highway
                   Phoenix, AZ 85029
Contact: Oscar Hefner
                   Tel: (602) 862-6001   Fax: (602) 862-6051
GOSIP Product: DPX/2 B.O.S (Stack B)
  Version/Release: 2
  Release Date: 01-OCT-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0087
                   DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046   X.25 PLP/HDLC LAP-B
Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer
Underlying Product:

Protocols and Profiles: 0011
       Transport Class 4-CONS [ISO 8073:1988]
ATS Used: ATS:1-9
Conformance Lab: 0370
                   Conformance Expert Center for OSI Bull - CECOB
                   1 Rue de Provence, BP 208
                   38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 169
Supplier: 000001
                   Bull Information Systems, Incorporated
                   13430 North Black Canyon Highway
                   Phoenix, AZ 85029
Contact: Oscar Hefner
                   Tel: (602) 862-6001
                   Fax: (602) 862-6051
GOSIP Product: DATANET DCP 7500
  Version/Release: DNS Ver 4 Update 1
  Release Date: 01-JAN-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0086
                   DCP 7500
                   O/S DNS Ver 4 Update 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Datanet DCP 7500 X.25 Packet Layer; Datanet
                   DCP 7500 X.25 Frame Layer.
Underlying Product:
Protocols and Profiles: 0003
       TP4-CLNS/CLNP{ES}
       Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
       CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0370
                   Conformance Expert Center for OSI Bull - CECOB
                   1 Rue de Provence, BP 208
                   38432 Echirolles France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 38
Supplier: 000035
                   Control Data Corporation
                   4201 North Lexington Avenue
                   Arden Hills, MN 55126-6198
Contact: J. Carey
                   Tel: (612) 482-2567   Fax: (612) 482-2791
GOSIP Product: Control Data EP/IX Access & Directory
  Version/Release: Ver 1.4.2
  Release Date: 27-NOV-91
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 25-FEB-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0052
                   Control Data 4000
                   Control Data EP/IX Version 1.4.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0027   PLS{802.3}/10Base5
Underlying Stack: Underlying Product:
Protocols and Profiles: 0003
       TP4-CLNS/CLNP{ES}
       Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
       CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0354
                   Control Data Corporation, OSI Accredited Test Center
                   4201 North Lexington Avenue
                   Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 88
Supplier: 000003
                   Control Data Corporation
                   4201 North Lexington Avenue
                   Arden Hills, MN 55126-6198
Contact: Ronald Swan
                   Tel: (612) 482-6257
                   Fax: (612) 482-3616
GOSIP Product: CDCNET
  Version/Release: Ver 1.6.1 / B720
  Release Date: 01-MAR-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 09-NOV-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0083
                   CDCNET Device Interface DY-227-B, O/S NONE
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: CDCNET, Ver 1.6.1, X.25   Underlying Product:
Protocols and Profiles: 0010
       Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0354
                   Control Data Corporation, OSI Accredited Test Center
                   4201 North Lexington Avenue
                   Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 170
Supplier: 000003
Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: Ronald Swan
Tel: (612) 482-6257 Fax: (612) 482-3616
GOSIP Product: CDCNET
Version/Release: 1.7.1/BCU #803AA Release Date: 01-MAR-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 09-FEB-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0153
CYBER 930 Host and Mainframe Device Interface (MDI),
Mainframe Device Interface (TDI), or Integrated Communications
Adapter (ICA) CYBER O/S, NOS/Ver 1.7.7, ICA is stand-alone
(Self Contained)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010 LLC1{802.2}/MAC{802.3}
Underlying Stack: CDCNET Ethernet Serial Channel Interface
Product 46 (P-2 LAN) (Registered October 15, 1992)
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS: 1-7 AND ATS:1-9
Conformance Lab: 0354
Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 233
Supplier: 000128
Cray Communications A/S
Smedeholm 12-14
Herlev DK 2730 Denmark
Contact: Sven Olav Lund
Tel: 45 44 53 01 00 Fax: 45 44 53 14 15
GOSIP Product: Cray OSI/TP4 Protocol Stack
Version/Release: Version 6.21 Release Date: 12-MAR-93
Additional Info: Tested hardware platform for this submission is the
CS-7000. Vendor claims other hardware compatibility as listed in
this registration.
Registration: PROV, GOSIP Version 2/registered
Date: 08-MAR-94 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0196
H/W: CS-6101,CS-6264,CS-6364,CS-6600,CS-7000,CS-1400
H/W: TM-0101,TM-0201,TM-0601,TM-0602
O/S: Cray Kernel V6.10 (xcmts610.ncc)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0112 LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: Cray Kernel V6.10 (xcmts610.ncc)
Underlying Product:
Protocols and Profiles: 0004
TP4-CLNS/CLNP{ES} & ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtng Claimed}
ATS Used: ATS:2-9.2 and ATS:2-7
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 76
Supplier: 000036
Data General Corporation
4400 Computer Drive, MS/D216
Westboro, MA 01580
Contact: Charles Stakus
Tel: (508) 870-6392 Fax: (508) 898-4694
GOSIP Product: OSI/Platform for AViiON Systems
Version/Release: Ver 3.0
Release Date: 01-JUN-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 23-OCT-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0053
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack: Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0371
Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 77
Supplier: 000036
Data General Corporation
4400 Computer Drive, MS/D216
Westboro, MA 01580
Contact: Charles Stakus
Tel: (508) 870-6392
Fax: (508) 898-4694
GOSIP Product: OSI/Platform for AViiON Systems
Version/Release: Ver 3.0
Release Date: 01-JUN-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 23-OCT-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0053
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0371
Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 89
Supplier: 000036
              Data General Corporation
              4400 Computer Drive, MS/D216
              Westboro, MA 01580
Contact: Charles Stakus
              Tel: (508) 870-6392   Fax: (508) 898-4694
GOSIP Product: OSI/Platform for AViiON Systems
  Version/Release: Ver 3.0
  Release Date: 01-JUN-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 13-NOV-92   Reason for Removal:
   Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0053
     AViiON 5000/6000 Series
     DG/UX System for AViiON Systems Rev. 5.4.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
     X.25 PLP/HDLC LAP-B
Underlying Stack: X.25 for AViiON Systems, Ver. 2.20
Underlying Product:
Protocols and Profiles: 0003
    TP4-CLNS/CLNP{ES}
    Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0391
     Data General Corporation, OSI Conformance Test Center
     4400 Computer Drive, MS/D216
     Westborough, MA 01580

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 193
Supplier: 000102
              Data General Corporation
              4400 Computer Drive
              Westboro, MA 01580
Contact: Peter Conway
              Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: OSI/Platform for AViiON Systems
  Version/Release: Version 3.30   Release Date: 01-OCT-93
  Additional Info: Product tested on Model AV8500 platform. Vendor
                 claims support for other H/W platforms as listed.
Registration: PROV, GOSIP Version 2/registered
   Date: 30-SEP-93   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
     H/W: AV8500
     O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
     H/W: AViiON AV500, AV4000, AV500, AV6000, AV7000,
     AV8000, AV8500, AV9000
Connectivity: 0095   LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: LAN: LLC and MAC contained in DG/UX
              5.4R2.10, embedded in product.
Underlying Product:
Protocols and Profiles: 0004
    TP4-CLNS/CLNP{ES} & ES-IS{ES}
    Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
    Rtng Claimed}
ATS Used: ATS:2-7 and ATS:2-9.2
Conformance Lab: 0364
         CDA, Incorporated
         8301 Greensboro Drive, #350
         McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 207
Supplier: 000102
              Data General Corporation
              4400 Computer Drive
              Westboro, MA 01580
Contact: Peter Conway
              Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: OSI/Platform for AViiON Systems
  Version/Release: Version 3.30
  Release Date: 01-OCT-93
  Additional Info: Product tested over AViiON AV8500
Registration: PROV, GOSIP Version 2/registered
   Date: 20-DEC-93   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
     H/W: AV8500
     O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
     H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
     AV8000, AV8500, AV9000
Connectivity: 0046
     X.25 PLP/HDLC LAP-B
Underlying Stack: X.25 for AViiON Systems, Ver. 2.40, 01-OCT-93,
             GOSIP Ver. 2, Product ID 204
Underlying Product:
Protocols and Profiles: 0010
    Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:2-8
Conformance Lab: 0364
         CDA, Incorporated
         8301 Greensboro Drive, #350
         McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 211
Supplier: 000102
              Data General Corporation
              4400 Computer Drive
              Westboro, MA 01580
Contact: Peter Conway
              Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: OSI/Platform for AViiON Systems
  Version/Release: Version 3.30   Release Date: 01-OCT-93
  Additional Info: Model AV8500 tested. Vendor claims support for
                 other H/W models listed.
Registration: PROV, GOSIP Version 2/registered
   Date: 13-JAN-94   Reason for Removal:
   Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0240
     H/W: AV8500
     O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
     H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
     AV8000, AV8500, AV9000
Connectivity: 0063   X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack: X.25 for AViiON Systems, Version 2.40,
              01-OCT-93, GOSIP Version 2, Product ID: 204
Underlying Product:
Protocols and Profiles: 0004
    TP4-CLNS/CLNP{ES} & ES-IS{ES}
    Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
    Rtng Claimed}
ATS Used: ATS:2-7 and ATS:2-9.2
Conformance Lab: 0364
         CDA, Incorporated
         8301 Greensboro Drive, #350
         McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 128
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet-VAX (TM) Ver 5.4 EXTENSIONS
Version/Release: Ver 5.4
Release Date: 01-SEP-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 26-JAN-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0113
MicroVAX 3800 VMS Ver 5.4
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046 X.25 PLP/HDLC LAP-B
Underlying Stack: VAX Packet System Interface for DECnet(TM)
5.4 Extensions, September 1991
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 129
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI for OpenVMS VAX V5.5/VOTS, v3.0A
Version/Release: Ver 3.0A Release Date: 11-SEP-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 13-JAN-93 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0115
MicroVAX - II, 2000, 3100, 3300/3400, 3500, 3600, 3800, 3900;
VAXstation - II, 2000, 3100, 3200, 3500, 3520, 3540, 4000;
VAXserver - 3100, 3300/3400, 3500, 3600, 3602, 3800, 3900, 6000;
VAX - 11/730, 11/750, 11/780, 11/785, 4000, 6000, 8200, 8250, 8300,
8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 9000;
VAXft - M110/310, M410/610/612, WITH O/S OpenVMS V5.5
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010 LLC1{802.2}/MAC{802.3}
Underlying Stack: Digital DESQA CSMA/CD LAN Controller; DEC
(MAU) 44005; DEC (AUI) BNE4D-02; DEC
(LLC) OpenVMS for VAX, Ver 5.5-2
Underlying Product:
Protocols and Profiles: 0003 TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 144
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI for ULTRIX
Version/Release: Ver 5.1-ECO0193 Release Date: 02-JAN-93
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 31-MAR-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0135
1- DECstations 2100, 3100s, 5000/20, 5000/25, 5000/125, 5000/200,
and 500/240 w Integrated Ethernet Controller
ULTRIX Worksystem Software, Ver 4.2A
2- DECsystems 5000/200, 5000/240, 5100, 5400, 5500, 5810, 5820,
5830, 5840, 5900 with Integrated Ethernet Controller
ULTRIX Ver 4.2A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010 LLC1{802.2}/MAC{802.3}
Underlying Stack: DECNet/OSI for ULTRIX Ver 5.1-EC00193
Layered product for ULTRIX; Chipset integrated with the CPU
Underlying Product:
Protocols and Profiles: 0003 TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 268
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI for DEC OSF/1 AXP
Version/Release: Version 2.0 Release Date: 14-MAR-94
Additional Info: Minimum memory configuration is 32 MB, and
minimum space requirement is 680 MB.
Registration: PROV, GOSIP Version 2/registered
Date: 22-AUG-94 Reason for Removal: N/A
Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0221
DEC 3000 Model 500 AXP Workstation
DEC OSF/1 Operating System, Version 2.0
Claimed Compatibility Hardware/Software Platforms: 0251
H/W: DEC 3000 Models 300, 300X, 300LX, 400, 500X, 600 &
800 AXP Workstations
O/S: DEC 3000 Models 400, 500, 600 & 800 AXP Servers
Connectivity: 0127 X.25 PLP/X.25 LAP-B/RS232
Underlying Stack: X.25 V1.0A for DEC OSF/1 Systems
Underlying Product: 270
Protocols and Profiles: 0010 Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:2-8
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 271

Supplier: 000005
                 Digital Equipment Corp
                 550 King Street
                 Littleton, MA 01460-1289
Contact: Richard Duhamel
                 Tel: (508) 486-5021   Fax: (508) 486-7417
                 Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI V5.7 for OpenVMS AXP
  Version/Release: Version 5.7
  Release Date: 18-MAY-94
  Additional Info: Minimum memory configuration is 32 MB, and
                   minimum disk space requirement is 407 MB.
Registration: PROV, GOSIP Version 2/registered
  Date: 22-AUG-94   Reason for Removal: N/A
  Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0249
  H/W: DEC 3000 Model 500 AXP Workstation
  O/S: OpenVMS AXP V6.1
Claimed Compatibility Hardware/Software Platforms: 0250
  H/W: DEC 2000 Models 300 & 500 AXP Workstations
  O/S: DEC 2100 Server A500MP
  H/W: DEC 3000 Models 300,300L,300X,300LX,400,500,500X,
        600&800 AXP Workstations
  O/S: DEC 3000 Models 400, 500, 600 & 800 AXP Servers
Connectivity: 0127   X.25 PLP/X.25 LAP-B/RS232
Underlying Stack: X.25 V1.0 for Open VMS AXP Systems
Underlying Product: 272
Protocols and Profiles: 0010   Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:2-8
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 54

Supplier: 000045
                 Digital Equipment Corporation
                 Digital Park
                 Reading RG2 OTE United Kingdom
Contact: Bill Daley
GOSIP Product: DECnet-VAX (TM) Extensions V5.4A/VOTS V3.0A
  Version/Release: 5.4A
  Release Date: 01-APR-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 16-AUG-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0066
  Digital VAX Computer with VMS C5.4A+ Operating System
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010   LLC1{802.2}/MAC{802.3}
Underlying Stack: Underlying Product:
Protocols and Profiles: 0003   TP4-CLNS/CLNP{ES}
  Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
  CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0362
                 Digital Equipment Corporation, OSI Conformance
                 Interoperability Test Center
                 550 King Street, MS LKG2A/R5
                 Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 240

Supplier: 000106
                 Digital Equipment Corporation, OSI Conformance
                 Interoperability Test Center
                 550 King Street, MS LKG2A/R5
                 Littleton, MA 01460-1289
Contact: Richard Duhamel
                 Tel: (508) 486-5021   Fax: (508) 486-5514
                 Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI for Open VMS VAX
  Version/Release: Version 5.7   Release Date: 21-JAN-94
  Additional Info: None
Registration: PROV, GOSIP Version 2/registered
  Date: 09-JUN-94   Reason for Removal:
  Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0223
H/W: VAXserver 3600   O/S: OpenVMS VAX Operating System V 6.0
Claimed Compatibility Hardware/Software Platforms: 0224
  Processors Not Supported: MicroVAX I, VAXstation I,
  VAX-11/725, VAX-II/782, and VAXstation 8000; All other VAX
  supported
Connectivity: 0119   LLC1{802.2}/MAC{802.3}/10Base2
Underlying Stack: Embedded in Product   Underlying Product: N/A
Protocols and Profiles: 0004   TP4-CLNS/CLNP{ES} & ES-IS{ES}
  Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]; CLNP{ES}
  [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtng Claimed}
ATS Used: ATS:2-7 & ATS:2-9.2
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 243

Supplier: 000106
                 Digital Equipment Corporation, OSI Conformance
                 Interoperability Test Center
                 550 King Street, MS LKG2A/R5
                 Littleton, MA 01460-1289
Contact: Richard Duhamel
                 Tel: (508) 486-5021   Fax: (508) 486-5514
                 Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI Version 2.0 for DEC OSF/1 AXP
  Version/Release: Version 2.0   Release Date: 14-MAR-94
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 09-JUN-94   Reason for Removal:
  Basis: BASE   Base Products:
Tested Hardware/Operating System Platforms: 0221
        DEC 3000 Model 500 AXP Workstation
        DEC OSF/1 Operating System, Version 2.0
Claimed Compatibility Hardware/Software Platforms: 0222
  DEC 3000 Series Workstations and Servers; DEC 2000 Model 300
  AXP Workstation; DEC 4000 Model 610 AXP System; DEC 7000
  Model 610 AXP System; DEC 10000 Model 610 AXP System
Connectivity: 0095   LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: Embedded in Product   Underlying Product: N/A
Protocols and Profiles: 0004   TP4-CLNS/CLNP{ES} & ES-IS{ES}
  Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
  CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
  Rtng Claimed}
ATS Used: ATS:2-7 & ATS:2-9.2
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 55

Supplier: 000040
Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale. FL 33313-4499
Contact: Augie Gonzales
Tel: (305) 587-2900 Fax: (305) 797-5807
GOSIP Product: Encore EnComm ISO Transport Services
Version/Release: Ver 3.0.0 Release Date: 01-AUG-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
H/W: Encore Infinity 90 Series GPIO I O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: EnComm VME Ethernet Drvr 2.1 over Encore
VME Ethernet Cntrllr (VSSC) #8513-047
SynOptics Enterprise/Dpt Hub Configuration
Underlying Product:
Protocols and Profiles: 0046
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 56

Supplier: 000040
Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
Tel: (305) 587-2900 Fax: (305) 797-5807
GOSIP Product: EnComm ISO Transport Services
Version/Release: Ver 3.0.0
Release Date: 01-AUG-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 31-AUG-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
H/W: Encore Infinity 90 Series GPIO I
O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0094
CLNP{ES}/LLC1{802.2}/MAC{802.3}
CLNP{ES}/X.25 PLP/X.25 LAP-B
Underlying Stack: Encore/SynOptics LattisNet Mdl 3030
CLNP{ES}/LAN; Encore/SynOptics Departmental
Hub CLNP{ES}/LAN; EnComm ISO
CLNP{ES}/EnComm X.25 and PAD Revision 3.0
Underlying Product:
Protocols and Profiles: 0075
Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]
ATS Used: ATS:1-9
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 57

Supplier: 000040
Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
Tel: (305) 587-2900 Fax: (305) 797-5807
GOSIP Product: EnComm ISO Transport Services
Version/Release: Ver 3.0.0 Release Date: 01-JUL-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 31-AUG-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
H/W: Encore Infinity 90 Series GPIO I
O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: Encore EnComm X.25 and PAD Rev 3.0.0,
15-JUN-92
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 58

Supplier: 000040
Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
Tel: (305) 587-2900 Fax: (305) 797-5807
GOSIP Product: Encore EnComm ISO Transport Services
SynOptics LattisNet Mdl 3030 Concentrator
Version/Release: V3.0.0 Release Date: 01-AUG-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 27-OCT-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
H/W: Encore Infinity 90 Series GPIO I
O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0095
LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: EnComm VME Ethernet Drvr 2.1 over Encore
VME Ethernet Cntrllr (VSSC) #8523-444
SynOptics LattisNet Model 3030 Concentrator,
3313 Ethernet MMM, and 3308 Host
Underlying Product:
Protocols and Profiles: 0046
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 78
Supplier: 000040
               Encore Computing Corporation
               6901 West Sunrise Boulevard
               Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
               Tel: (305) 587-2900   Fax: (305) 797-5807
GOSIP Product: Encore EnComm ISO Transport Services over
               SynOptics Enterprise/Dpt Hub Configur.
   Version/Release: Ver 3.0.0   Release Date: 01-AUG-92
   Additional Info: Components of SynOptics Enterprise/Department
               Hub Configuration listed in underlying stack.
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 27-OCT-92   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
               H/W: Encore Infinity 90 Series GPIO I
               O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0095   LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: EnComm VME Ethnt Drvr 2.1, Encore VME Ethnt
   Cntrl 8513-047, Hub (3000N, 3313A-04, 3314A-04, 504A, 3595A-01,
   3308A, 2813-04, 3304-ST, 3301, 3323S, 3383-02, 508A)
Underlying Product:
Protocols and Profiles: 0046
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7
Conformance Lab: 0364
               CDA, Incorporated
               8301 Greensboro Drive, #350
               McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 4
Supplier: 000018
               Hewlett-Packard Company
               19420 Homestead Road
               Cupertino, CA 95014-9810
Contact: Murali Subbarao
               Tel: (408) 447-2822   Fax: (408) 447-3660
GOSIP Product: HP OSI Transport Services/9000, P/N 32070A
   Version/Release: Ver C.02.00
   Release Date: 10-JUN-91
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 28-MAY-91
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0013
   HP 9000 Series 800/HP-UX Operating System, Version 8.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
               LLC1{802.2}/MAC{802.3}
Underlying Stack: Underlying Product:
Protocols and Profiles: 0003
   TP4-CLNS/CLNP{ES}
   Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
   CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0365
               Hewlett-Packard Company, OSI Conformance Test Center
               19420 Homestead Road, MS 43UJ
               Cupertino, CA 95014-9810

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 212
Supplier: 000018
               Hewlett-Packard Company
               19420 Homestead Road
               Cupertino, CA 95014-9810
Contact: Murali Subbarao
               Tel: (408) 447-2822   Fax: (408) 447-3660
GOSIP Product: HP OSI Transport Services/9000 (OTS/9000) Ser 800
   Version/Release: V C.04.00 (PHNE_2954) Release Date: 17-AUG-93
   Additional Info: OTS/9000 is available on all machines in the HP9000
      Series 800 family. OTS runs on top of 10Base2, 10BaseT or
      10Base5 and utilizes the same driver for each.
Registration: PROV, GOSIP Version 2/registered
   Date: 10-JAN-94   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0181
   H/W: HP9000 Series 800   O/S: HP-UX Version A.09.00
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0104   LLC1{802.2}/MAC{802.3}/10Base2
         LLC1{802.2}/MAC{802.3}/10BaseT
         LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: LAN/9000 LinkHP J2146A for HP9000 Series
      8x7,890 & LAN/9000 LinkHP 36967A for HP9000 Series 8x2,
      and other series 800. Can be bundled on Series 8x7,and 890.
Underlying Product:
Protocols and Profiles: 0004   TP4-CLNS/CLNP{ES} & ES-IS{ES}
   Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]; CLNP{ES}
   [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtng Claimed}
ATS Used: ATS:2-9.2 and ATS:2-7
Conformance Lab: 0357
               National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 213
Supplier: 000018
               Hewlett-Packard Company
               19420 Homestead Road
               Cupertino, CA 95014-9810
Contact: Murali Subbarao
               Tel: (408) 447-2822   Fax: (408) 447-3660
GOSIP Product: HP OSI Transport Services/9000 (OTS/9000) Ser 700
   Version/Release: Version C.04.00 (PHNE_2955)
   Release Date: 17-AUG-93
   Additional Info: OTS/9000 is available on all machines in the HP
      9000 Series 700 family. OTS runs on top of 10Base2, 10BaseT, or
      10Base5 and utilizes the same driver for each.
Registration: PROV, GOSIP Version 2/registered
   Date: 10-JAN-94   Reason for Removal:
   Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0182
   H/W: HP 9000 Series 700 O/S: HP-UX Version A.09.00
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0104   LLC1{802.2}/MAC{802.3}/10Base2
         LLC1{802.2}/MAC{802.3}/10BaseT
         LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: LAN/9000 Link HP 25567A for HP 9000 Series
               700. Tested on HP 9000 Series 827S.
Underlying Product:
Protocols and Profiles: 0004   TP4-CLNS/CLNP{ES} & ES-IS{ES}
   Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]; CLNP{ES}
   [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtng Claimed}
ATS Used: ATS:2-9.2 and ATS:2-7
Conformance Lab: 0357
               National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 23
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com

GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 01-NOV-91
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0036
                   H/W: IBM System 390
                   O/S: IBM MVS/ESA Ver 3 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0010
       Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 24
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 01-NOV-91
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0037
                   H/W: IBM System 390
                   O/S: IBM VM/ESA Ver 1 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided By IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0010
       Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 25
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 01-NOV-91
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0038
                   H/W: IBM Systems 370/390
                   O/S: IBM VM/SP Rel 5
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0010
       Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 26
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 01-NOV-91
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0173
                   H/W: IBM Systems 370/390
                   O/S: IBM MVS/XA Ver 2 Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0010
       Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 33
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 12-FEB-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0036
                   H/W: IBM System 390
                   O/S: IBM MVS/ESA Ver 3 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0003
    TP4-CLNS/CLNP{ES}
    Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-9 and ATS:1-7

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 34
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 12-FEB-92
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0049
    H/W: IBM Systems 370/390
          O/S: IBM MVS/XA Ver 2 Rel 2, VM/SP Rel 5, VM/ESA Ver
1 Rel
    1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0003
    TP4-CLNS/CLNP{ES}
    Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-9 and ATS:1-7

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 35
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 12-FEB-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0036
                   H/W: IBM System 390
                   O/S: IBM MVS/ESA Ver 3 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Software: IBM OSI/Comm Subsystem V.1 R1.1 in
                   IBM/S/390[802.2]; Interconnect Controller Program
                   V1.0 on IBM Interconnect Controller Program
                   (802.3). Hardware: IB
Underlying Product:
Protocols and Profiles: 0003
                   TP4-CLNS/CLNP{ES}
                   Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
                   CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 36
Supplier: 000085
                   IBM Rome Networking Systems Laboratory
                   Via Paolo Di Dono 44
                   00143 Rome Italy
Contact: Alberto Sinibaldi
                   Tel: 39 6 5966-2281
                   Fax: 39 6 5966-2467
                   Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
  Version/Release: Ver 1 Rel 1.1
  Release Date: 01-DEC-90
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 12-FEB-92
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0049
    H/W: IBM Systems 370/390
          O/S: IBM MVS/XA Ver 2 Rel 2, VM/SP Rel 5, VM/ESA Ver
1 Rel
    1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                   X.25 PLP/HDLC LAP-B
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0011
    Transport Class 4-CONS [ISO 8073:1988]
ATS Used: ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 112
Supplier: 000085
          IBM Rome Networking Systems Laboratory
          Via Paolo Di Dono 44
          00143 Rome Italy
Contact: Alberto Sinibaldi
          Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
          Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI Communications Subsystem/400
   Version/Release: Ver 2 Rel 1.1   Release Date: 01-MAR-92
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 18-DEC-92   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0098
          AS/400 9404
          OS/400 Ver 2 Rel 1.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
          X.25 PLP/HDLC LAP-B
Underlying Stack: IBM AS/400 X.25 Communications Support
              Program, Ver 2, Release 1.1
Underlying Product:
Protocols and Profiles: 0010
     Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0392
          IBM Rome Networking Systems Laboratory
          Via Paolo Di Dono 44
          00143 Rome
          Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 116
Supplier: 000085
          IBM Rome Networking Systems Laboratory
          Via Paolo Di Dono 44
          00143 Rome Italy
Contact: Alberto Sinibaldi
          Tel: 39 6 5966-2281
        Fax: 39 6 5966-2467
          Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI/Communications Subsystem
   Version/Release: Ver 1 Rel 1.1
   Release Date: 01-DEC-90
   Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 04-JAN-93
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0101
     IBM Enterprise System/390 All Models (S/390, 43xx, 30xx),
     IBM MVS/ESA, MVS/XA, IBM VM/SP, VM/ESA
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
          LLC1{802.2}/MAC{802.3}
Underlying Stack: Provided by IBM NCP Packet Switching Interface.
Underlying Product:
Protocols and Profiles: 0003
     TP4-CLNS/CLNP{ES}
     Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
     CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 117
Supplier: 000085
          IBM Rome Networking Systems Laboratory
          Via Paolo Di Dono 44
          00143 Rome Italy
Contact: Alberto Sinibaldi
          Tel: 39 6 5966-2281
       Fax: 39 6 5966-2467
          Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: IBM AIX OSI Messaging and Filing/6000
   Version/Release: Ver 1, Level 180
   Release Date: 01-DEC-90
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 04-JAN-93
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0102
     IBM RISC System/6000 All Models (7011, 7012, 7013, 7015,
     6016, OS AIX/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
          LLC1{802.2}/MAC{802.3}
Underlying Stack: Software: IBM AIX/6000 Ver 3.1.5; Hardware:
              Ethernet Adapter 7013-2890
Underlying Product:
Protocols and Profiles: 0003
     TP4-CLNS/CLNP{ES}
     Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
     CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 209
Supplier: 000085
          IBM Rome Networking Systems Laboratory
          Via Paolo Di Dono 44
          00143 Rome Italy
Contact: Alberto Sinibaldi
          Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
          Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI Communications Subsystem/400
   Version/Release: Version 2 Release 3
   Release Date: 01-DEC-93
   Additional Info: Derived from Base product ID: 112, which was
              grandfathered GOSIP V1 to V2
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 20-DEC-93   Reason for Removal:
   Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0179
          H/W: AS/400
          O/S: OS/400 Version 2 Release 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
          X.25 PLP/HDLC LAP-B
Underlying Stack: AS/400 X.25 Communications Support, Version 2
              Release 3, GOSIP Product ID: 183
Underlying Product:
Protocols and Profiles: 0010
     Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0392
          IBM Rome Networking Systems Laboratory
          Via Paolo Di Dono 44
          00143 Rome
          Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 259
Supplier: 000085
IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy
Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467
Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: IBM AIX OSI Services/6000
Version/Release: Version 1 Release 1 Release Date: 01-APR-94
Additional Info: None
Registration: PROV, GOSIP Version 2/registered
Date: 01-AUG-94 Reason for Removal:
Basis: DERIVED Base Products: 230
Tested Hardware/Operating System Platforms: 0238
H/W: IBM RISC/6000 Model 32H O/S: IBM AIX/6000 Version 3.2.4
Claimed Compatibility Hardware/Software Platforms: 0239
H/W: IBM RISC/6000 Models 2xx, 3xx, 5xx and 9xx
O/S: IBM AIX/6000 Version 3
Connectivity: 0107 LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: IBM AIX/6000 Ver 3.2.4 Underlying Product: N/A
Protocols and Profiles: 0004 TP4-CLNS/CLNP{ES} & ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtng Claimed}
ATS Used: ATS:2-7 and ATS:2-9.1
Conformance Lab: 0392
IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome
Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 266
Supplier: 000135
Intergraph Corporation
1 Madison Industrial Park
Huntsville, AL 35894-0001
Contact: Do Te Kim
Tel: (205) 730-3506 Fax: (205)730-3301/3038
Email: dtkim@ingr.com
GOSIP Product: OSI/LAN
Version/Release: Version 7.4 Release Date: 11-NOV-93
Additional Info: None
Registration: PROV, GOSIP Version 2/registered
Date: 08-JUL-94 Reason for Removal:
Basis: BASE Base Products:
Tested Hardware/Operating System Platforms: 0231
H/W: InterPro 2430 (IP2430) O/S: CLIX Version 7.4
Claimed Compatibility Hardware/Software Platforms: 0232
H/W: C300 Server or Workstation; C400 Server or Workstation;
C100 Server
Connectivity: 0107 LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: LLC1 is implemented as a feature of the CLIX 7.4
O/S. Ethernet capability is built into the
motherboard of every Intergraph system.
Underlying Product: N/A
Protocols and Profiles: 0095
TP4-CLNS/CLNP{ES}/ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988 & ES-IS{ES} [ISO 9542:1988]{Dyn
Rtng
Tested}
ATS Used: ATS:2-7, ATS:2-9.1 & ATS:2-18
Conformance Lab: 0371
Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 51
Supplier: 000043
NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison
Tel: (619) 693-5665 Fax: (619) 693-5705
GOSIP Product: NCR UNIX OSI Network Services
Version/Release: Ver 2.00.02
Release Date: 17-APR-92
Additional Info: Same product also registered over X.25 (Product ID
82) and for TP0 over X.25 (Product ID 83)
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 07-AUG-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0063
H/W: NCR System 3000 consisting of the following hardware
models: 3320, 3340, 3345, 3447, 3450, 3550 and 3600
O/S: NCR UNIX SVR4, (MP-RAS),Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010 LLC1{802.2}/MAC{802.3}
Underlying Stack: NCR System 3000, Integrated LAN Driver Ver
2.00 Western Digital WD8003
Underlying Product:
Protocols and Profiles: 0003 TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0363
Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 82
Supplier: 000043
NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison
Tel: (619) 693-5665 Fax: (619) 693-5705
GOSIP Product: NCR UNIX OSI Network Services
Version/Release: Ver 2.01 Release Date: 08-SEP-92
Additional Info: Same product also registered over LAN (Product ID
51) and for TP0 over X.25 (Product ID 83)
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 27-OCT-92 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0063
H/W: NCR System 3000 consisting of the following hardware
models: 3320, 3340, 3345, 3447, 3450, 3550 and 3600
O/S: NCR UNIX SVR4, (MP-RAS),Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046 X.25 PLP/HDLC LAP-B
Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet Layer];
NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR Multi-Protocol
Communications Adapter/Firmware Ver 1.1A [Phys Layer]
Underlying Product:
Protocols and Profiles: 0003 TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0363
Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 83
Supplier: 000043
                 NCR
                 9900 Old Grove Road
                 San Diego, CA 92131
Contact: Wendy Morrison
                 Tel: (619) 693-5665   Fax: (619) 693-5705
GOSIP Product: NCR UNIX OSI Network Services
  Version/Release: Ver 2.01   Release Date: 08-SEP-92
  Additional Info: Same product also registered for TP4 (Product ID
      51 and Product ID 82)
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 27-OCT-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0063
      H/W: NCR System 3000 consisting of the following hardware
        models: 3320, 3340, 3345, 3447, 3450, 3550 and 3600
      O/S: NCR UNIX SVR4, (MP-RAS),Rel 2C
laimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046   X.25 PLP/HDLC LAP-B
Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet
                   Layer]; NCR MUOE HDLC Ver 1.04 [Link
                   Layer]; NCR Multi-Protocol Communications
                   Adapter/Firmware Ver 1.1A [Phys Layer]
Underlying Product:
Protocols and Profiles: 0010
      Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0363
                   Corporation for Open Systems International Test Center
                   8260 Willow Oaks Corp Drive, Suite 700
                   Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 49
Supplier: 000039
                 Novell Incorporated
                 2180 Fortune Drive
                 San Jose, CA 95131
Contact: Jan Provan
                 Tel: (408) 473-8422   Fax: (408) 433-9827
GOSIP Product: NetWare FTAM Transport Component
  Version/Release: Ver 1.2 Rev B
  Release Date: 20-APR-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 24-JUN-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0058
      AST Premium 386/33 with 8 MB RAM NOVELL 3.11 Operating
      System over NOVELL NE2000 Ethernet card (802.3)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010   LLC1{802.2}/MAC{802.3}
Underlying Stack: NOVELL 3.11 Operating System over NOVELL
                   NE2000 Ethernet
Underlying Product:
Protocols and Profiles: 0003
      TP4-CLNS/CLNP{ES}
      Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0357
                   National Computing Centre Limited
                   Oxford Road
                   Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 50
Supplier: 000039
                 Novell Incorporated
                 2180 Fortune Drive
                 San Jose, CA 95131
Contact: Jan Provan
                 Tel: (408) 473-8422   Fax: (408) 433-9827
GOSIP Product: NetWare FTAM Transport Component
  Version/Release: Ver 1.2 Rev B   Release Date: 20-APR-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 24-JUN-92   Reason for Removal:
  Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0227
      AST Premium 386/33 with 8 MB RAM NOVELL 3.11 Operating
      System over NOVELL NE2000 Ethernet card (802.4)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0120
                  LLC1{802.2}/MAC{802.4}
Underlying Stack: NOVELL Ver 3.11 Operating System Over
                   LLC1{802.2}/MAC{802.4} NE2000 and IBM 4MB
                   ` Token Ring Card
Underlying Product:
Protocols and Profiles: 0003
      TP4-CLNS/CLNP{ES}
      Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0357
                   National Computing Centre Limited
                   Oxford Road
                   Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 111
Supplier: 000057
                 Retix
                 2401 Colorado Avenue
                 Santa Monica, CA 90404
Contact: Jeff Stone
                 Tel: (310) 828-3400   Fax: (310) 828-2255
GOSIP Product: LT-610
  Version/Release: Ver 2.3.0   Release Date: 01-OCT-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 18-DEC-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0099
      Vendor claims all Intel 386 and 486 based platforms using stated
      o/s. Test platform was Intel 486DX (Alpha Systems Laboratory,
      Incorporated ASL486/33 ASL433), O/S UNIX System V Release
      3.2 (Sun Soft Interactive Ver 3.0)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                  LLC1{802.2}/MAC{802.3}
Underlying Stack: S/W: Retix LT-610, Ver 2.3.0; H/W: Western
                   Digital Model WD8003.
Underlying Product:
Protocols and Profiles: 0003
      TP4-CLNS/CLNP{ES}
      Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0357
                   National Computing Centre Limited
                   Oxford Road
                   Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 132
Supplier: 000057
                 Retix
                 2401 Colorado Avenue
                 Santa Monica, CA 90404
Contact: Jeff Stone
                 Tel: (310) 828-3400
                 Fax: (310) 828-2255
GOSIP Product: LT-610
  Version/Release: Ver 2.3.0
  Release Date: 01-OCT-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 05-FEB-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0120
    Intel 386 (Tatung) O/S UNIX System V Rel 3.2 (SCO UNIX 4.0)
Claimed Compatibility Hardware/Software Platforms: 0001   ·
Connectivity: 0010
                 LLC1{802.2}/MAC{802.3}
Underlying Stack: Retix LT-610, Ver 2.3.0; Western Digital Model
                   WD8003
Underlying Product:
Protocols and Profiles: 0003
    TP4-CLNS/CLNP{ES}
    Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 187
Supplier: 000099
                 SUN MicroSystems, Inc.
                 32 Chemin du Vieux Chene
                 Meylan F-38240 France
Contact: Willy-Francois Poulet
                 Tel: +33 76 41 42 43
                 Fax: +33 76 41 42 41
GOSIP Product: SUNLink OSI
  Version/Release: Version 8.0
  Release Date: 08-AUG-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 26-AUG-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0169
                 H/W: All Sun SPARC Hardware
                 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                 X.25 PLP/HDLC LAP-B
Underlying Stack: Sunlink X.25 8.0
Underlying Product:
Protocols and Profiles: 0010
    Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:2-8
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 188
Supplier: 000099
                 SUN MicroSystems, Inc.
                 32 Chemin du Vieux Chene
                 Meylan F-38240 France
Contact: Willy-Francois Poulet
                 Tel: +33 76 41 42 43   Fax: +33 76 41 42 41
GOSIP Product: Sunlink OSI
  Version/Release: Version 8.0   Release Date: 08-AUG-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 09-SEP-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0170
    H/W: SparcStation 10 Model 41   O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0095   LLC1{802.2}/MAC{802.3}/10BaseT
Underlying Stack: Sunlink OSI 8.0 LLC Module, implementing LLC1,
    the Solaris 2.1 Lance Ethernet driver and Am7990 combination-
    implementing ISO8802-3 Sun Motherboard LAN Interface
Underlying Product:
Protocols and Profiles: 0004
    TP4-CLNS/CLNP{ES} & ES-IS{ES}
    Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
    Rtng Claimed}
ATS Used: ATS:2-9.2 and ATS:2-7
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 66
Supplier: 000050
                 SUN MicroSystems, Inc. International Centre for
Network
                 Computing
                 32 Rue du Vieux Chene
                 F-38240 Meylan France
Contact: Tom Hull
                 Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SunNet OSI (Transport)
  Version/Release: Ver 7.1   Release Date: 01-OCT-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
  Date: 14-OCT-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0076
                 Sun MicroSystems SPARCstation 2-4/75
                 SunOS 4.1.2 (Solaris 1.0.1)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                 LLC1{802.2}/MAC{802.3}
Underlying Stack: SUNNET OSI Ver 7.1 LLC1 (HW) Sun CPU
                   board LAN Interface (802.3)
Underlying Product:
Protocols and Profiles: 0003
    TP4-CLNS/CLNP{ES}
    Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
    CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 85

Supplier: 000050
                 SUN MicroSystems, Inc. International Centre for
Network
                 Computing
                 32 Rue du Vieux Chene
                 F-38240 Meylan France
Contact: Tom Hull
                 Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SunNet OSI (Transport)
   Version/Release: Ver 7.1   Release Date: 01-OCT-92
   Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 25-NOV-92   Reason for Removal:
   Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0076
                 Sun MicroSystems SPARCstation 2-4/75
                 SunOS 4.1.2 (Solaris 1.0.1)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046   X.25 PLP/HDLC LAP-B
Underlying Stack: SunNet X.25 Ver 7.0.1
Underlying Product:
Protocols and Profiles: 0003   TP4-CLNS/CLNP{ES}
      Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 87

Supplier: 000050
                 SUN MicroSystems, Inc. International Centre for
Network
                 Computing
                 32 Rue du Vieux Chene
                 F-38240 Meylan France
Contact: Tom Hull
                 Tel: +33 76 41 42 18
                 Fax: +33 76 41 42 41
GOSIP Product: SunNet OSI (Transport)
   Version/Release: Ver 7.1
   Release Date: 01-OCT-92
   Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 25-NOV-92
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0076
                 Sun MicroSystems SPARCstation 2-4/75
                 SunOS 4.1.2 (Solaris 1.0.1)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                 X.25 PLP/HDLC LAP-B
Underlying Stack: SunNet X.25 Ver 7.0.1   Underlying Product:
Protocols and Profiles: 0010
      Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 217

Supplier: 000050
                 SUN MicroSystems, Inc. International Centre for
                 Network Computing
                 32 Rue du Vieux Chene
                 F-38240 Meylan France
Contact: Tom Hull
                 Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: Sunlink OSI
   Version/Release: Version 8.0   Release Date: 08-AUG-93
   Additional Info: Vendor claims support for all SUN SPARC
                     Hardware Platforms
Registration: PROV, GOSIP Version 2/registered
   Date: 25-JAN-94   Reason for Removal:
   Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0170
                 H/W: SparcStation 10 Model 41
                 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0063   X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack: Sunlink X.25 8.0   Underlying Product:
Protocols and Profiles: 0004   TP4-CLNS/CLNP{ES} & ES-IS{ES}
      Transport Class 4-CLNS [ISO 8073:1988/Add2:1989];
      CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988]
      {Dyn Rtng Claimed}
ATS Used: ATS:2-9 and ATS:2-7
Conformance Lab: 0357
                 National Computing Centre Limited
                 Oxford Road
                 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 106

Supplier: 000055
                 SUN Microsystems Federal, Incorporated
                 2650 Park Tower Drive, Suite 500
                 Vienna, VA 22180-7306
Contact: Michael Barnes
                 Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUN SPARCstation 10 Model 42 w/SUNLink OSI 8.0
   Version/Release: Ver 8.0
   Release Date: 04-AUG-92
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 01-DEC-92
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0092
                 H/W: SPARCstation 10 Model 42
                 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                 LLC1{802.2}/MAC{802.3}
Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN
                 Solaris 2.1 Ethernet Driver
Underlying Product:
Protocols and Profiles: 0003
      TP4-CLNS/CLNP{ES}
      Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0364
                 CDA, Incorporated
                 8301 Greensboro Drive, #350
                 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 107
Supplier: 000055
                SUN Microsystems Federal, Incorporated
                2650 Park Tower Drive, Suite 500
                Vienna, VA 22180-7306
Contact: Michael Barnes
                Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUN SPARCstation 4/30 w/SUNLink OSI 8.0
  Version/Release: Ver 8.0   Release Date: 04-AUG-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 01-DEC-92   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0094
  H/W: SPARCstation 4/30 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                  LLC1{802.2}/MAC{802.3}
Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN
                   Solaris 2.1 Ethernet Driver
Underlying Product:
Protocols and Profiles: 0003
                  TP4-CLNS/CLNP{ES}
                  Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
                  CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 108
Supplier: 000055
                SUN Microsystems Federal, Incorporated
                2650 Park Tower Drive, Suite 500
                Vienna, VA 22180-7306
Contact: Michael Barnes
                Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUN SPARCstation 10 Model 30 w/SUNLink OSI 8.0
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 01-DEC-92
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0095
                  H/W: SPARCstation 10 Model 30
                  O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                  LLC1{802.2}/MAC{802.3}
Underlying Stack: AMD, Lance 7990 Ethernet Controller SUN
                   Solaris 2.1 Ethernet Driver
Underlying Product:
Protocols and Profiles: 0003
                  TP4-CLNS/CLNP{ES}
                  Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
                  CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 109
Supplier: 000055
                SUN Microsystems Federal, Incorporated
                2650 Park Tower Drive, Suite 500
                Vienna, VA 22180-7306
Contact: Michael Barnes
                Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUN, RDI BrightLite Model IPX Color Laptop
                  Workstation w/ SUNLink OSI 8.0
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 01-DEC-92   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0096
  RDI BrightLite IPX Color Laptop Workstation Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010   LLC1{802.2}/MAC{802.3}
Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN
                   Solaris 2.1 Ethernet Driver
Underlying Product:
Protocols and Profiles: 0003   TP4-CLNS/CLNP{ES}
      Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
      CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 142
Supplier: 000055
                SUN Microsystems Federal, Incorporated
                2650 Park Tower Drive, Suite 500
                Vienna, VA 22180-7306
Contact: Michael Barnes
                Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUN SPARCstation 10 Model 41 w/SUNLink OSI 8.0
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 01-DEC-92
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0093
      H/W: SPARCstation 10 Model 41
      O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                  LLC1{802.2}/MAC{802.3}
Underlying Stack: AMD, Lance 7990 Ethernet Controller SUN
                   Solaris 2.1 Ethernet Driver
Underlying Product:
Protocols and Profiles: 0003
                  TP4-CLNS/CLNP{ES}
                  Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
                  CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 59
Supplier: 000047
                  UNISYS Corporation
                  8008 Westbrook Drive
                  McLean, VA 22102
Contact: Keith Fretz
                  Tel: (703) 556-5665   Fax: (703) 556-5172
GOSIP Product: CMS 1100/OSITS
   Version/Release: 7R2B+PCR15312/2R1A+PCRs192,193,194,197
   Release Date: 01-MAR-92
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 01-SEP-92   Reason for Removal:
   Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0068
   2200 System and 1100/90 Processors, DCP-15 through DCP-55 Front
   End Processors. Operating System OS1100 Exec on processor
   DCP/OS 5R2A, TELCON 9R1A on Front End Processors
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010   LLC1{802.2}/MAC{802.3}
Underlying Stack: LAN Platform 2R2A, DCP 802.3; LAN Line
                   Module Feature #F5137-00
Underlying Product:
Protocols and Profiles: 0003
   TP4-CLNS/CLNP{ES}
   Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
   CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0367
                  UNISYS - Open Systems Interconnection Laboratory
                  P.O. Box 203, 2450 Swedesford Road
                  Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 71
Supplier: 000047
                  UNISYS Corporation
                  8008 Westbrook Drive
                  McLean, VA 22102
Contact: Keith Fretz
                  Tel: (703) 556-5665
                  Fax: (703) 556-5172
GOSIP Product: DCP OSITS
   Version/Release: 2R1A,+192-194,197,199,202,203,205,207
   Release Date: 01-MAR-92
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/inactive
   Date: 19-OCT-92
   Reason for Removal: Eroneous PCTR.
   Basis: DERIVED
   Base Products:
Tested Hardware/Operating System Platforms: 0078
                  DCP-15 through DCP-55 Front End Processors
                  DCP/OS Ver 5R2A and TELCON Ver 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                  X.25 PLP/HDLC LAP-B
Underlying Stack: Underlying Product:
Protocols and Profiles: 0003
   TP4-CLNS/CLNP{ES}
        Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
   CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0367
                  UNISYS - Open Systems Interconnection Laboratory
                  P.O. Box 203, 2450 Swedesford Road
                  Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 72
Supplier: 000047
                  UNISYS Corporation
                  8008 Westbrook Drive
                  McLean, VA 22102
Contact: Keith Fretz
                  Tel: (703) 556-5665   Fax: (703) 556-5172
GOSIP Product: DCP OSITS
   Version/Release: 2R1A + 192-194,197,199,202,203,205,207
   Release Date: 01-MAR-92
   Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
   Date: 19-OCT-92
   Reason for Removal:
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0078
        DCP-15 through DCP-55 Front End Processors
        DCP/OS Ver 5R2A and TELCON Ver 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
                  X.25 PLP/HDLC LAP-B
Underlying Stack: Underlying Product:
Protocols and Profiles: 0010
        Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0367
                  UNISYS - Open Systems Interconnection Laboratory
                  P.O. Box 203, 2450 Swedesford Road
                  Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP   Product ID: 73
Supplier: 000047
                  UNISYS Corporation
                  8008 Westbrook Drive
                  McLean, VA 22102
Contact: Keith Fretz
                  Tel: (703) 556-5665
                  Fax: (703) 556-5172
GOSIP Product: DCP OSITS
   Version/Release: 2R1A + 192-194,197,199,202,203,205,207
   Release Date: 01-MAR-92
   Additional Info:
Registration: /inactive
   Date: 01-OCT-92
   Reason for Removal: Eroneous PCTR.
   Basis: BASE
   Base Products: n/a
Tested Hardware/Operating System Platforms: 0078
        DCP-15 through DCP-55 Front End Processors
        DCP/OS Ver 5R2A and TELCON Ver 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
                  LLC1{802.2}/MAC{802.3}
Underlying Stack: LAN Platform 2R2A, DCP 802.3 LAN Line
                   Module, Feature #F5137-00
Underlying Product:
Protocols and Profiles: 0003
   TP4-CLNS/CLNP{ES}
        Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
   CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0367
                  UNISYS - Open Systems Interconnection Laboratory
                  P.O. Box 203, 2450 Swedesford Road
                  Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 81
Supplier: 000047
UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz
Tel: (703) 556-5665 Fax: (703) 556-5172
GOSIP Product: CMS 1100/OSITS Ver 7R2B + PCR 15312,
192-194, 197, 199, 202, 203, 205, 207
Version/Release: Rel 2R1A Release Date: 01-MAR-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 16-OCT-92 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0082 OS1100 Exec.
Ver 43R2 running on 2200 systems and 1190/90 Processors DCP-15
through DCP-55 Front End Processors, O/S OS1100 Exec. on
Processors DCP/OS 5R2A, Telcon 9R1A on Front End Processors
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046 X.25 PLP/HDLC LAP-B
Underlying Stack: X.25 PSCS Ver 51RA plus PCRs 1891-1899, 1902,
1911, 1923, 1929.
Underlying Product:
Protocols and Profiles: 0003 TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 133
Supplier: 000060
UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta
Tel: (703) 556-5682 Fax: (703) 556-5172
GOSIP Product: A-Series CP2000 OSI-IPC Software
Version/Release: Ver 30.00.199 Release Date: 11-DEC-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 05-FEB-93 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0121
Mainframe: A6 (TP4), FEP: CP2000 (CLNP)
O/S Mainframe: A-Series System Software, Ver 4.0 (TP4)
FEP: CP2000 Operating Software, V3.0 (CLNP)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack: S/W: CP2000 O/S V3.0; H/W: CP2000 with LMH
Card
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 136
Supplier: 000060
UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta
Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product: A-Series/CP2000 OSI-IPC Software, Unisys
Product 113/P4.3
Version/Release: Ver 30.00.200
Release Date: 05-JAN-93
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 26-FEB-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0124
A-Series Processor
A-Series System Software, Version 4.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 137
Supplier: 000060
UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta
Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product: A-Series/CP2000 OSI-IPC Software
Version/Release: Ver 30.00.200
Release Date: 05-JAN-93
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 16-FEB-93
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0124
A-Series Processor
A-Series System Software, Version 4.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92
Underlying Product:
Protocols and Profiles: 0011
Transport Class 4-CONS [ISO 8073:1988]
ATS Used: ATS:1-9
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 145
Supplier: 000060
UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta
Tel: (703) 556-5682 Fax: (703) 556-5172
GOSIP Product: A-Series/CP2000 OSI-IPC Software
Version/Release: Ver 30.00.199 Release Date: 11-DEC-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 16-FEB-93 Reason for Removal:
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0133
H/W: Mainframe: A6 (TP4), FEP: CP2000 (CLNP)
O/S: Mainframe: A-Series System Software, Ver 4.0
(TP4), FEP: CP2000 Operating Software, Ver 3.0 (CLNP)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: CP2000 X.25 Ver 30.00.192, 30-SEP-92
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 171
Supplier: 000047
UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz
Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product: DCP OSITS
Version/Release: 2R1A,+192-194,197,199,202,203,205,207
Release Date: 01-MAR-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2/registered
Date: 19-OCT-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0078
DCP-15 through DCP-55 Front End Processors
DCP/OS Ver 5R2A and TELCON Ver 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: Underlying Product:
Protocols and Profiles: 0011
Transport Class 4-CONS [ISO 8073:1988]
ATS Used: ATS:1-9
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 239
Supplier: 000060
UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta
Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product: CMS-1100
Version/Release: Version 7R3A, PCR 16961
Release Date: 22-NOV-93
Additional Info: Tested hardware platform is 2200/200. Vendor
claims compatible hardware as listed.
Registration: PROV, GOSIP Version 2/registered
Date: 23-MAR-94 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0199
H/W: 2200/200 through 2200/900 O/S: OS1100 SB4R6
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0107
LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: CMS-1100 Underlying Product:
Protocols and Profiles: 0004
TP4-CLNS/CLNP{ES} & ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtng Claimed}
ATS Used: ATS:2-9.2 & ATS:2-7
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Product Code/Type: P-005 Session Product ID: 229
Supplier: 000126
Bull Information Systems, Inc.
13430 North Black Canyon
Phoenix, AZ 85029
Contact: Tom Cody
Tel: (602) 862-5114
GOSIP Product: DPX/20 AIX 3 Stack B (Session)
Version/Release: Version 1.0
Release Date: 01-MAY-93
Additional Info: Verified for use only in support of FTAM. Tested
hardware platform is DPX/20 Model 400. Vendor claims
hardware compatibility as listed.
Registration: PROV, GOSIP Version 2/registered
Date: 08-MAR-94
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0195
H/W: DPX/20 Models 100, 400, 600, & 800
O/S: AIX Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
TP4-CLNS/CLNP/LAN
Underlying Stack: DPX/20 AIX 3 Stack B Underlying Product: 230
Protocols and Profiles: 0089
Session
Session [ISO 8327:1987]
ATS Used: ATS:2-10.1
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
1 Rue de Provence, BP 208
38432 Echirolles France

Product Code/Type: P-005 Session   Product ID: 258
Supplier: 000085
                 IBM Rome Networking Systems Laboratory
                 Via Paolo Di Dono 44
                 00143 Rome Italy
Contact: Alberto Sinibaldi
                 Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
                 Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: IBM AIX OSI Services/6000
   Version/Release: Version 1 Release 1   Release Date: 01-APR-94
   Additional Info: None
Registration: PROV, GOSIP Version 2/registered
     Date: 01-AUG-94   Reason for Removal:
     Basis: DERIVED   Base Products: 229
Tested Hardware/Operating System Platforms: 0238
     H/W: IBM RISC/6000 Model 32H
     O/S: IBM AIX/6000 Version 3.2.4
Claimed Compatibility Hardware/Software Platforms: 0239
     H/W: IBM RISC/6000 Models 2xx, 3xx, 5xx and 9xx
     O/S: IBM AIX/6000 Version 3
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: IBM AIX/6000 Version 3.2.4
Underlying Product: 259
Protocols and Profiles: 0089
             Session
             Session [ISO 8327:1987]
ATS Used: ATS:2-10.1
Conformance Lab: 0392
             IBM Rome Networking Systems Laboratory
             Via Paolo Di Dono 44
             00143 Rome Italy

Product Code/Type: P-006 MHS   Product ID: 154
Supplier: 000072
                 Control Data Systems, Incorporated
                 4201 North Lexington Avenue
                 Arden Hills, MN 55126-6198
Contact: B. Sekhon
                 Tel: (612) 482-3868   Fax: (612) 482-2791
GOSIP Product: MAIL*HUB MHS/4000
   Version/Release: Ver 2.0.1
   Release Date: 29-JAN-93
   Additional Info: This product does not support MTA Relaying
Registration: PROV, GOSIP Version 1/registered
     Date: 04-MAY-93
     Reason for Removal:
     Basis: BASE
     Base Products: n/a
Tested Hardware/Operating System Platforms: 0144
             H/W: Control Data CD 4330
             O/S: EP/IX 2.0.1
Claimed Compatibility Hardware/Software Platforms: 0242
     H/W: Control Data CD 4000 Series
Connectivity: 0004
             TP4-CLNS/CLNP/LAN
Underlying Stack: Control Data EP/IX Access and Directory Ver 1.4.2
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
Conformance Lab: 0354
             Control Data Corporation, OSI Accredited Test Center
             4201 North Lexington Avenue
             Arden Hills, MN 55126-6198

Product Code/Type: P-006 MHS   Product ID: 110
Supplier: 000036
                 Data General Corporation
                 4400 Computer Drive, MS/D216
                 Westboro, MA 01580
Contact: Charles Stakus
                 Tel: (508) 870-6392   Fax: (508) 898-4694
GOSIP Product: X.400 for AViiON Sys (X.400 for AViiON Sys/3.0)
                 (OSI for AViiON)
   Version/Release: Ver 3.10   Release Date: 01-AUG-92
   Additional Info: None
Registration: PROV, GOSIP Version 1/registered
     Date: 01-DEC-92   Reason for Removal:
     Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0091
     H/W: AViiON Series 5000, VSC Synchronous Comms Controller
     O/S: DG/UX Rel. 5.4.1, AV/X.25 Rel. 2.2.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0058   TP0/WAN
Underlying Stack: OSI/Platform for AViiON System Ver 3.0 [TP0],
                 X.25 for AViiON System Ver 2.20
Underlying Product:
Protocols and Profiles: 0050
     MHS-84 Relay/(Session)
     MHS-84 Relay [X.400:1984] {P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 and ATS:1-14
Conformance Lab: 0391
             Data General Corporation, OSI Conformance Test Center
             4400 Computer Drive, MS/D216
             Westborough, MA 01580

Product Code/Type: P-006 MHS   Product ID: 223
Supplier: 000102
                 Data General Corporation
                 4400 Computer Drive
                 Westboro, MA 01580
Contact: Peter Conway
                 Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: OpenMail for AViiON Systems
   Version/Release: Version A.01.01.eo, Rev. 1.00
   Release Date: 01-OCT-93
   Additional Info: Must use with X.400 for AViiON Systems,V
     3.30,01-OCT-93(P1/RTS/SESSION)
Registration: FULL, GOSIP Version 2/registered
     Date: 25-FEB-94   Reason for Removal:
     Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
     H/W: AV8500
     O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
     H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
     AV8000, AV8500, AV9000
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: X.400 for AViiON Systems, Version 3.30, 01-OCT-93
     and OSI/Platform for AViiON Systems, Version 3.30, 01-OCT-93
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.4
Conformance Lab: 0364
             CDA, Incorporated
             8301 Greensboro Drive, #350
             McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 224
Supplier: 000102
                   Data General Corporation
                   4400 Computer Drive
                   Westboro, MA 01580
Contact: Peter Conway
                   Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: X.400 for AViiON Systems
  Version/Release: Version 3.30   Release Date: 01-OCT-94
  Additional Info:
Registration: FULL, GOSIP Version 2/registered
    Date: 25-FEB-94   Reason for Removal:
    Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
    H/W: AV8500
    O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
    H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
    AV8000, AV8500, AV9000
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: OSI/Platform for AViiON Sys, V3.30, 01-OCT-93
Underlying Product:
Protocols and Profiles: 0050
    MHS-84 Relay/(Session)
    MHS-84 Relay [X.400:1984] {P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.3, ATS:2-13.2, and ATS:2-13.5
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 225
Supplier: 000102
                   Data General Corporation
                   4400 Computer Drive
                   Westboro, MA 01580
Contact: Peter Conway
                   Tel: (508) 898-7176   Fax: (508) 898-4212
GOSIP Product: OpenMail for AViiON Systems
  Version/Release: Version A.01.01.eO, Rev. 1.00
  Release Date: 01-OCT-93
  Additional Info: Must use with X.400 for AViiON Systems, Version
                   3.30, 01-OCT-93 (P1/RTS/Session).
Registration: PROV, GOSIP Version 2/registered
    Date: 03-MAR-94   Reason for Removal:
    Basis: DERIVED   Base Products: 223, 224
Tested Hardware Operating System Platforms: 0240
    H/W: AV8500
    O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
    H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
    AV8000, AV8500, AV9000
Connectivity: 0058   TP0/WAN
Underlying Stack: X.400 for AViiON Systems, Version 3.30,
    01-OCT-93; OSI/Platform for AViiON Systems, Version 3.30,
    01-OCT-93; X.25 for AViiON Systems, Version 2.4, 01-OCT-93
Underlying Product: 207 & 204
Protocols and Profiles: 0045 MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.5, ATS:2-13.2, ATS:2-13.3, & ATS:2-13.4
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 139
Supplier: 000063
                   Digital Equipment Corporation
                   P.O. Box 121
                   Worton Grange, Reading, Berks RG2 OTE
                   United Kingdom
Contact: Richard Duhamel
                   Tel: (508) 486-5021   Fax: (508) 486-7417
GOSIP Product: VAX Message Router X.400 Gateway
  Version/Release: Ver 2.2G   Release Date: 18-DEC-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
    Date: 11-MAR-93   Reason for Removal:
    Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0128
    H/W: MicroVAX 3400   O/S: VAX/VMS Ver. 5.4
Claimed Compatibility Hardware/Software Platforms: 0243
    O/S: VAX/VMS Ver. 5.4 and 5.5
Connectivity: 0058   TP0/WAN
Underlying Stack: DECNet-VAX (TM) Extensions Ver5.4A (TD1111)
Underlying Product:
Protocols and Profiles: 0050
    MHS-84 Relay/(Session)
    MHS-84 Relay [X.400:1984] {P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0357
                   National Computing Centre Limited
                   Oxford Road
                   Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 138
Supplier: 000040
                   Encore Computing Corporation
                   6901 West Sunrise Boulevard
                   Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
                   Tel: (305) 587-2900
                   Fax: (305) 797-5807
GOSIP Product: EnComm X.400
  Version/Release: Ver 2.0.1
  Release Date: 01-JAN-93
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
    Date: 11-MAR-93
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
    H/W: Encore Infinity 90 Series GPIO I
    O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0058
                   TP0/WAN
Underlying Stack: EnComm ISO Transport Services, Rev 3.0.0 [TP0].
                   EnComm X.25 Rev 3.0 (x.25)
Underlying Product:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
Conformance Lab: 0364
                   CDA, Incorporated
                   8301 Greensboro Drive, #350
                   McLean, VA 22102-3603

Product Code/Type: P-006 MHS   Product ID: 191
Supplier: 000101
                 Enterprise Solutions Limited
                 32603 Bowman Knoll Drive
                 Westlake Village, CA 91361
Contact: Barry Sandever
                 Tel: (818) 597-8943   Fax: (818) 595-9621
GOSIP Product: Enterprise Mail User Agent
  Version/Release: Version 2.11   Release Date: 01-MAY-93
  Additional Info: Must be used w NCR StarPRO Message Central
     400, Ver 2.0, 01-MAR-93. This combination of products provides
     set of MHS: P2, P1, RTS, & embedded Session protocols
Registration: PROV, GOSIP Version 1/registered
  Date: 17-SEP-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0248
               H/W: NCR System 3000, Model 3450
               O/S: NCR UNIX SVR4, (MP-RAS), Rel 2
Claimed Compatibility Hardware/Software Platforms: 0064
       H/W: NCR System 3000 consisting of the following hardware
          models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600
Connectivity: 0082 TP4-CLNS/CLNP/LAN
Underlying Stack: NCR UNIX OSI Network Services, Version 2.00.02
Underlying Product:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14, ATS:1-15
Conformance Lab: 0363
                 Corporation for Open Systems International Test Center
                 8260 Willow Oaks Corp Drive, Suite 700
                 Fairfax, VA 22031

Product Code/Type: P-006 MHS   Product ID: 13
Supplier: 000018
                 Hewlett-Packard Company
                 19420 Homestead Road
                 Cupertino, CA 95014-9810
Contact: Murali Subbarao
                 Tel: (408) 447-2822   Fax: (408) 447-3660
GOSIP Product: HP X.400/9000 P/N HP32032A; (X.400 Interface)
                 HP OpenMail, P/N B1600A
  Version/Release: Ver C.02.00; Ver A.00.02.03
  Release Date: 10-JUN-91
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 19-AUG-91
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0014
    H/W: HP 9000 Series 800/HP-UX Operating System, Ver. 8.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: HP OSI Transport Services/9000 Series 800
Underlying Product:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
Conformance Lab: 0365
                 Hewlett-Packard Company, OSI Conformance Test Center
                 19420 Homestead Road, MS 43UJ
                 Cupertino, CA 95014-9810

Product Code/Type: P-006 MHS   Product ID: 141
Supplier: 000085
                 IBM Rome Networking Systems Laboratory
                 Via Paolo Di Dono 44
                 00143 Rome Italy
Contact: Alberto Sinibaldi
                 Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
                 Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: X.400 PROFS Connection
  Version/Release: V1R3   Release Date: 01-JUN-91
  Additional Info: Must be used with Open Network Distribution
       Services, V1R1, 01-OCT-90, & OSI/Communications
       Subsystem, V1R1.1, 01-DEC-90
Registration: PROV, GOSIP Version 1/registered
  Date: 19-MAR-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0037
    H/W: IBM System 390 O/S: IBM VM/ESA Ver 1 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0244
               H/W: IBM System 370/390
Connectivity: 0058   TP0/WAN
Underlying Stack: OSI/Communications Subsystem Ver 1 Rel 1.1
               IBM NCP Packet Switching Interface
Underlying Product:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
Conformance Lab: 0392
                 IBM Rome Networking Systems Laboratory
                 Via Paolo Di Dono 44
                 00143 Rome Italy

Product Code/Type: P-006 MHS   Product ID: 194
Supplier: 000085
                 IBM Rome Networking Systems Laboratory
                 Via Paolo Di Dono 44
                 00143 Rome Italy
Contact: Alberto Sinibaldi
                 Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
                 Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: Open Network Distribution Services
  Version/Release: Version 1 Release 1 Release Date: 01-OCT-90
  Additional Info: Must be used with OSI/Communications Subsystem,
       V1R1.1, 01-DEC-90, to provide the P1/RTS and Embedded
       Session protocols
Registration: PROV, GOSIP Version 1/registered
  Date: 15-OCT-93   Reason for Removal:
  Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0036
    H/W: IBM System 390 O/S: IBM MVS/ESA Ver 3 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0244
    H/W: IBM System 370/390
Connectivity: 0058 TP0/WAN
Underlying Stack: OSI/Communications Subsystem, V1R1.1,
               01-DEC-90, and IBM NCP Packet Switching Interface
Underlying Product:
Protocols and Profiles: 0050
    MHS-84 Relay/(Session)
    MHS-84 Relay [X.400:1984] {P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 and ATS:1-14
Conformance Lab: 0392
                 IBM Rome Networking Systems Laboratory
                 Via Paolo Di Dono 44
                 00143 Rome Italy

Product Code/Type: P-006 MHS   Product ID: 195
Supplier: 000085
             IBM Rome Networking Systems Laboratory
             Via Paolo Di Dono 44
             00143 Rome Italy
Contact: Alberto Sinibaldi
             Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
             Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: X.400 DISOSS Connection
  Version/Release: Version 1 Release 2
  Release Date: 01-MAR-91
  Additional Info: Must be used with Open Network Distribution
             Services, V1R1, 01-OCT-90, and OSI/Communications
             Subsystem, V1R1.1, 01-DEC-90
Registration: PROV, GOSIP Version 1/registered
  Date: 13-OCT-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0036
    H/W: IBM System 390 O/S: IBM MVS/ESA Ver 3 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0244
    H/W: IBM System 370/390
Connectivity: 0100   MHS {P1, RTS}/Session/TP0/WAN
Underlying Stack: Open Network Distribution Services, V1R1,
             01-OCT-90, OSI/ Communications Subsystem V1R1.1,
             01-DEC-90, and IBM NCP Packet Switching Interface
Underlying Product:
Protocols and Profiles: 0078   MHS [X.400:1984] {P2}
ATS Used: ATS:1-15
Conformance Lab: 0392
             IBM Rome Networking Systems Laboratory
             Via Paolo Di Dono 44
             00143 Rome Italy

Product Code/Type: P-006 MHS   Product ID: 155
Supplier: 000073
             International Business Machines Corporation
             3605 Highway 52 North
             Rochester, MN 55901
Contact: Michael Sullivan
             Tel: (39-06)5187 2517   Fax: (39-06)51872467
GOSIP Product: IBM OSI Message Services/400
  Version/Release: Ver 2 Rel 1.1
  Release Date: 01-MAR-92
  Additional Info: Must be used with OSI Communications
             Subsystem/400 Ver 2 Rel 1.1 01-MAR-92
Registration: PROV, GOSIP Version 1/registered
  Date: 04-MAY-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0140
    H/W: AS/400 O/S: IBM OS/400 Ver 2 Rel 1.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0058
             TP0/WAN
Underlying Stack: TP0: IBM OSI Communication Subsystem/400 V2
             R1.1 WAN: IBM AS/400 X.25 Communication
             Support Program V2 R1.1
Underlying Product:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
Conformance Lab: 0392
             IBM Rome Networking Systems Laboratory
             Via Paolo Di Dono 44
             00143 Rome Italy

Product Code/Type: P-006 MHS   Product ID: 114
Supplier: 000058
             NCR Network Products Division
             9900 Old Grove Road
             San Diego, CA 92131
Contact: Rolf Krause
             Tel: (619) 693-5788   Fax: (619) 693-5705
GOSIP Product: NCR StarPRO Message Central 400
  Version/Release: Ver 2.0   Release Date: 01-MAR-93
  Additional Info: This Product also registered for TP4 over LAN
             (Product ID 115)
Registration: PROV, GOSIP Version 1/registered
  Date: 29-DEC-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0247
             H/W: NCR System 3000, Model 3345
             O/S: NCR UNIX SVR4, (MP-RAS), Rel 2
Claimed Compatibility Hardware/Software Platforms: 0064
    H/W: NCR System 3000 consisting of the following hardware
         models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600
Connectivity: 0058   TP0/WAN
Underlying Stack: NCR UNIX OSI Network Services, Ver 2.01
             (Product ID 83)
Underlying Product:
Protocols and Profiles: 0050
    MHS-84 Relay/(Session)
    MHS-84 Relay [X.400:1984] {P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0363
             Corporation for Open Systems International Test Center
             8260 Willow Oaks Corp Drive, Suite 700
             Fairfax, VA 22031

Product Code/Type: P-006 MHS   Product ID: 115
Supplier: 000058
             NCR Network Products Division
             9900 Old Grove Road
             San Diego, CA 92131
Contact: Rolf Krause
             Tel: (619) 693-5788   Fax: (619) 693-5705
GOSIP Product: NCR StarPRO Message Central 400
  Version/Release: Ver 2.0   Release Date: 01-MAR-93
  Additional Info: This Product also registered for TP0 over WAN
             (Product ID 114)
Registration: PROV, GOSIP Version 1/registered
  Date: 29-DEC-92   Reason for Removal:
  Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0247
             H/W: NCR System 3000, Model 3345
             O/S: NCR UNIX SVR4, (MP-RAS), Rel 2
Claimed Compatibility Hardware/Software Platforms: 0064
    H/W: NCR System 3000 consisting of the following hardware
         models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: NCR UNIX OSI Network Services, Ver 2.00.02
             (TP4/CLNP, Product ID 51)
Underlying Product:
Protocols and Profiles: 0050
    MHS-84 Relay/(Session)
    MHS-84 Relay [X.400:1984] {P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0363
             Corporation for Open Systems International Test Center
             8260 Willow Oaks Corp Drive, Suite 700
             Fairfax, VA 22031

Product Code/Type: P-006 MHS   Product ID: 123
Supplier: 000057
                Retix
                2401 Colorado Avenue
                Santa Monica, CA 90404
Contact: Jeff Stone
                Tel: (310) 828-3400   Fax: (310) 828-2255
GOSIP Product: Retix User Agent Model MH-423, Retix
                OpenServer Model MH- 4430
   Version/Release: Ver 1.41   Release Date: 01-OCT-92
   Additional Info: None
Registration: PROV, GOSIP Version 1/registered
     Date: 06-JAN-93   Reason for Removal:
     Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0108
     H/W: Tatung (Intel 386), with a Western Digital 8003 for 802.3
     O/S: SCO Ver 4.0 (UNIX V Rel 3.2)
Claimed Compatibility Hardware/Software Platforms: 0245
     H/W: Intel 80386 and 80486 based platforms
Connectivity: 0004   TP4-CLNS/CLNP/LAN   .
Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
Conformance Lab: 0357
                National Computing Centre Limited
                Oxford Road
                Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   Product ID: 124
Supplier: 000057
                Retix
                2401 Colorado Avenue
                Santa Monica, CA 90404
Contact: Jeff Stone
                Tel: (310) 828-3400   Fax: (310) 828-2255
GOSIP Product: Retix User Agent Model MH-423, Retix
                OpenServer Model MH-4420
   Version/Release: Ver 1.41   Release Date: 01-OCT-92
   Additional Info: None
Registration: PROV, GOSIP Version 1/registered
     Date: 06-JAN-93   Reason for Removal:
     Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0109
     H/W: Alpha Systems Lab (Intel 486), with Western
     Digital 8003 for 802.3
     O/S: Sunsoft's Interactive UNIX (Ver 3.2), Version 3.0
Claimed Compatibility Hardware/Software Platforms: 0245
     H/W: Intel 80386 and 80486 based platforms
Connectivity: 0004
                TP4-CLNS/CLNP/LAN
Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
Conformance Lab: 0357
                National Computing Centre Limited
                Oxford Road
                Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   Product ID: 263
Supplier: 000099
                SUN MicroSystems, Inc.
                32 Chemin du Vieux Chene
                Meylan F-38240 France
Contact: Willy-Francois Poulet
                Tel: +33 76 41 42 43   Fax: +33 76 41 42 41
GOSIP Product: SunLink MHS
   Version/Release: Version 8.0
   Release Date: 27-AUG-93
   Additional Info: None
Registration: PROV, GOSIP Version 2/registered
     Date: 27-JUN-94
     Reason for Removal:
     Basis: DERIVED
     Base Products:
Tested Hardware/Operating System Platforms: 0093
          H/W: SPARCstation 10 Model 41
          O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0218
     H/W: All Sun SPARC Hardware
Connectivity: 0069
                TP4-CLNS/CLNP/WAN
Underlying Stack: SunLink OSI 8.0, SunLink X.25 8.0
Underlying Product: 217
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.2, ATS:2-13.3, ATS:2-13.4, and ATS:2-13.
Conformance Lab: 0357
                National Computing Centre Limited
                Oxford Road
                Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   Product ID: 264
Supplier: 000099
                SUN MicroSystems, Inc.
                32 Chemin du Vieux Chene
                Meylan F-38240 France
Contact: Willy-Francois Poulet
                Tel: +33 76 41 42 43   Fax: +33 76 41 42 41
GOSIP Product: SunLink MHS
   Version/Release: Version 8.0   Release Date: 27-AUG-93
   Additional Info: None
Registration: PROV, GOSIP Version 2/registered
     Date: 27-JUN-94   Reason for Removal:
     Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0093
     H/W: SPARCstation 10 Model 41
     O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0218
     H/W: All Sun SPARC Hardware
Connectivity: 0058
                TP0/WAN
Underlying Stack: SunLink OSI 8.0, SunLink X.25 8.0
Underlying Product: 187
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.2, ATS:2-13.3, ATS:2-13.4, and ATS:2-13.
Conformance Lab: 0357
                National Computing Centre Limited
                Oxford Road
                Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   **Product ID:**   265
Supplier: 000099
SUN MicroSystems, Inc.
32 Chemin du Vieux Chene
Meylan F-38240 France
Contact: Willy-Francois Poulet
Tel: +33 76 41 42 43   Fax: +33 76 41 42 41
GOSIP Product: SunLink MHS
Version/Release: version 8.0   Release Date: 27-AUG-93
Additional Info: None
Registration: PROV, GOSIP Version 2/registered
Date: 27-JUN-94
Reason for Removal:
Basis: BASE
Base Products: N/A
Tested Hardware/Operating System Platforms: 0093
H/W: SPARCstation 10 Model 41
O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0218
H/W: All Sun SPARC Hardware
Connectivity: 0082
TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0   **Underlying Product:** 188
Protocols and Profiles: 0045
MHS-84/(Session)
MHS-84 [X.400:1984] {P2, P1, RTS}
MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.2, ATS:2-13.3, ATS:2-13.4, and ATS:2-13.5
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   **Product ID:**   67
Supplier: 000050
SUN MicroSystems, Inc. International Centre for
Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull
Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SUNNET MHS Gateway
Version/Release: Ver 7.1   Release Date: 01-OCT-92
Additional Info: None
Registration: PROV, GOSIP Version 1/registered
Date: 14-OCT-92
Reason for Removal:
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0074
H/W: Sun 4, Station 2-4/75
O/S: SunOS 4.0.3, 4.1, 4.1.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
TP4-CLNS/CLNP/LAN
Underlying Stack: SunNet OSI Ver 7.1 Rel 1   **Underlying Product:**
Protocols and Profiles: 0050
MHS-84 Relay/(Session)
MHS-84 Relay [X.400:1984] {P1, RTS}
MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 and ATS:1-14
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   **Product ID:**   84
Supplier: 000050
SUN MicroSystems, Inc. International Centre for
Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull
Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SUNNET MHS
Version/Release: Ver 7.1
Release Date: 01-OCT-92
Additional Info: None
Registration: PROV, GOSIP Version 1/registered
Date: 25-NOV-92
Reason for Removal:
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0074
H/W: Sun 4, Station 2-4/75
O/S: SunOS 4.0.3, 4.1, 4.1.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0058
TP0/WAN
Underlying Stack: SunNet X.25, Ver 7.0.1 Rel 1   **Underlying Product:**
Protocols and Profiles: 0050
MHS-84 Relay/(Session)
MHS-84 Relay [X.400:1984] {P1, RTS}
MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS   **Product ID:**   118
Supplier: 000055
SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes
Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SunLink OSI
Version/Release: Ver 8.0   Release Date: 04-AUG-92
Additional Info: None
Registration: PROV, GOSIP Version 1/registered
Date: 04-JAN-93   Reason for Removal:
Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0103
Sun, SPARCstation 10 model 30
- MAC H/W - AMD, Lance 7990 Ethernet Controller
- MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0 (TP4/CLNP) **Underlying Product:**
Protocols and Profiles: 0050
MHS-84 Relay/(Session)
MHS-84 Relay [X.400:1984] {P1, RTS}
MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-006 MHS   Product ID: 119
Supplier: 000055
                 SUN Microsystems Federal, Incorporated
                 2650 Park Tower Drive, Suite 500
                 Vienna, VA 22180-7306
Contact: Michael Barnes
                 Tel: (703) 204-4100
         Fax: (703) 204-4782
GOSIP Product: SunLink OSI
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0104
     Sun, SPARCstation 10 Model 42
     - MAC H/W - AMD, Lance 7990 Ethernet Controller
     - MAC S/W - Sun, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
                  TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0 (TP4/CLNP) Underlying Product:
Protocols and Profiles: 0050
     MHS-84 Relay/(Session)
     MHS-84 Relay [X.400:1984] {P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-006 MHS   Product ID: 120
Supplier: 000055
                 SUN Microsystems Federal, Incorporated
                 2650 Park Tower Drive, Suite 500
                 Vienna, VA 22180-7306
Contact: Michael Barnes
                 Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SunLink OSI
  Version/Release: Ver 8.0   Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0105
     Sun, SPARCstation 10 Model 41
     - MAC H/W - AMD, Lance 7990 Ethernet Controller
     - MAC S/W - Sun, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
                  TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0 (TP4/CLNP) Underlying Product:
Protocols and Profiles: 0050
     MHS-84 Relay/(Session)
     MHS-84 Relay [X.400:1984] {P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-006 MHS   Product ID: 121
Supplier: 000055
                 SUN Microsystems Federal, Incorporated
                 2650 Park Tower Drive, Suite 500
                 Vienna, VA 22180-7306
Contact: Michael Barnes
                 Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SunLink OSI
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0106
     Sun, SPARCstation 4/30
     - MAC H/W - AMD, Lance 7990 Ethernet Controller
     - MAC S/W - Sun, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
                  TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0 (TP4/CLNP) Underlying Product
Protocols and Profiles: 0050
     MHS-84 Relay/(Session)
     MHS-84 Relay [X.400:1984] {P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-006 MHS   Product ID: 122
Supplier: 000055
                 SUN Microsystems Federal, Incorporated
                 2650 Park Tower Drive, Suite 500
                 Vienna, VA 22180-7306
Contact: Michael Barnes
                 Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SunLink OSI
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0107
     RDI BRIGHTLITE Model IPX Color Laptop Workstation
     - MAC H/W - AMD, Lance 7990 Ethernet Controller
     - MAC S/W - Sun, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
                  TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0 (TP4/CLNP) Underlying Product:
Protocols and Profiles: 0050
     MHS-84 Relay/(Session)
     MHS-84 Relay [X.400:1984] {P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14
Conformance Lab: 0364
                  CDA, Incorporated
                  8301 Greensboro Drive, #350
                  McLean, VA 22102-3603

Product Code/Type: P-006 MHS   Product ID: 61
Supplier: 000047
                 UNISYS Corporation
                 8008 Westbrook Drive
                 McLean, VA 22102
Contact: Keith Fretz
                 Tel: (703) 556-5665   Fax: (703) 556-5172
GOSIP Product: OS1100 OSI-MHS DDP-PPC: 5RIA & PCR 987
  Version/Release: Ver OSI-HS 2R1B   Release Date: 06-MAY-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 10-SEP-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0070
                 H/W: 2200/201   O/S: OS1100 Exec. Ver 43R2
Claimed Compatibility Hardware/Software Platforms: 0246
       H/W: 1100/90 and 2200 Series Processors
       O/S: OS1100 Exec. Ver 43R2
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: CMS 1100 7R2B + PCR 15312(TP4). OSITS
           2RIA + PCR 192, 193, 194, 197 CMS 1100 7R2B + PCR
           15312 (CLNP). DCP 802.3 LAN Line Module (LAN)
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
Conformance Lab: 0367
                 UNISYS - Open Systems Interconnection Laboratory
                 P.O. Box 203, 2450 Swedesford Road
                 Paoli, PA 19301

Product Code/Type: P-006 MHS   Product ID: 74
Supplier: 000047
                 UNISYS Corporation
                 8008 Westbrook Drive
                 McLean, VA 22102
Contact: Keith Fretz
                 Tel: (703) 556-5665   Fax: (703) 556-5172
GOSIP Product: DDP-PPC & OS 1100 OSI-MHS
  Version/Release: Ver DDP-PPC 5RIA + PCR 987
  Release Date: 30-MAR-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 16-OCT-92   Reason for Removal:
  Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0079
     Model 1100/90 or any 2200 System using OS1100 EXEC Ver 43R2
     and DCP-15 through DCP-55 using DCP/OS Ver 5R2A and
     TELCON Ver 9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0085
     TP4-CLNS/CLNP/WAN or TP4-CONS/WAN or TP0/WAN
Underlying Stack: A-Series/CP2000 OSI-IPC V30.00.199 (TP4/CLNP).
     [ISO 8208] X.25 DCP OSITS, Ver 2RIA(TP4). [ISO 8208] X.25
     CMS 1100/OSITS Ver 7R2B(TP0). [ISO 8208] X.25 (X.25)
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
Conformance Lab: 0367
                 UNISYS - Open Systems Interconnection Laboratory
                 P.O. Box 203, 2450 Swedesford Road
                 Paoli, PA 19301

Product Code/Type: P-006 MHS   Product ID: 149
Supplier: 000060
                 UNISYS Corporation
                 8008 West Park Drive
                 McLean, VA 22102
Contact: Dale Pluta
                 Tel: (703) 556-5682   Fax: (703) 556-5172
GOSIP Product: A-Series OSI-MHS
  Version/Release: 2.0.048   Release Date: 17-DEC-92
  Additional Info: Used in conjunction with A-Series/CP2000 OSI-IPC
                 Software, Version 30.00.199, 11-Dec-92.
Registration: PROV, GOSIP Version 1/registered
  Date: 04-MAY-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0143
                 A-Series/CP2000
                 - A-Series System Software Ver 4.0
                 - CP2000 Operating Software Ver 3.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
                 TP4-CLNS/CLNP/LAN
Underlying Stack: A-Series/CP2000 OSI-IPC (TP4-CLNS/CLNP).
                 CP2000 Operating Software (LAN)
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14, ATS:1-15
Conformance Lab: 0367
                 UNISYS - Open Systems Interconnection Laboratory
                 P.O. Box 203, 2450 Swedesford Road
                 Paoli, PA 19301

Product Code/Type: P-006 MHS   Product ID: 163
Supplier: 000060
                 UNISYS Corporation
                 8008 West Park Drive
                 McLean, VA 22102
Contact: Dale Pluta
                 Tel: (703) 556-5682   Fax: (703) 556-5172
GOSIP Product: A-Series OSI-MHS
  Version/Release: Ver 2.0.048   Release Date: 17-DEC-92
  Additional Info: In conjunction with A-Series CP/2000 OSI-IPC
                 Software Ver 30.00.200, Rel 05-JAN-93
Registration: PROV, GOSIP Version 1/registered
  Date: 18-JUN-93   Reason for Removal:
  Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0143
                 A-Series/CP2000
                 - A-Series System Software Ver 4.0
                 - CP2000 Operating Software Ver 3.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0088   TP4-CONS/WAN   TP0/WAN
Underlying Stack: A-Series/CP2000 OSI-IPC Software/CP2000 X.25;
                 A-Series/CP2000 OSI-IPC Unisys Product 113/P4.3
Underlying Product:
Protocols and Profiles: 0045
     MHS-84/(Session)
     MHS-84 [X.400:1984] {P2, P1, RTS}
     MHS-84 Session [X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
Conformance Lab: 0367
                 UNISYS - Open Systems Interconnection Laboratory
                 P.O. Box 203, 2450 Swedesford Road
                 Paoli, PA 19301

Product Code/Type: P-006 MHS   Product ID: 256
Supplier: 000060
                 UNISYS Corporation
                 8008 West Park Drive
                 McLean, VA 22102
Contact: Dale Pluta
                 Tel: (703) 556-5682   Fax: (703) 556-5172
GOSIP Product: OSI-MHS
  Version/Release: Version 3R1 with PCRs
    1269,1283,1343,1335,1370,1390,1398,1430,1446,1468,1290 & 1397.
  Release Date: 17-DEC-93
  Additional Info: Must be used in conjunction with DDP-PPC,
    Version 5R1B with PCRs 1601, 1499 and 1618, March 25, 1994
Registration: PROV, GOSIP Version 2/registered
  Date: 01-AUG-94   Reason for Removal:
  Basis: BASE   Base Products: N/A
Tested Hardware/Operating System Platforms: 0234
    H/W: 2200/200   O/S: OS1100 SB4R6
Claimed Compatibility Hardware/Software Platforms: 0235
    H/W: 2200 Series
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: CMS-1100, Version 7R3A, PCR 16961
Underlying Product: 239
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
ATS Used: ATS:2-13.5, ATS:2-13.2, ATS:2-13.3 and ATS:2-13.4
Conformance Lab: 0367
                 UNISYS - Open Systems Interconnection Laboratory
                 P.O. Box 203, 2450 Swedesford Road
                 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 231
Supplier: 000126
                 Bull Information Systems, Inc.
                 13430 North Black Canyon
                 Phoenix, AZ 85029
Contact: Tom Cody
                 Tel: (602) 862-5114
GOSIP Product: FTAMX
  Version/Release: Version 4.0   Release Date: 01-OCT-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 07-MAR-94   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0195
    H/W: DPX/20 Models 100, 400, 600, & 800
    O/S: AIX Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0057
                 Session/TP4-CLNS/CLNP/LAN
Underlying Stack: DPX/20 AIX 3 Stack B Version 1
Underlying Product:
Protocols and Profiles: 0090
    FTAM/(ACSE)/(Presentation)
    FTAM [ISO 8571:1988] {T1, M1, T2, A1}
    FTAM ACSE [ISO 10607-1:1990]
    FTAM Presentation [ISO 10607-1:1990] {ASN.1}
ATS Used:
ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,ATS:2-
                16.9,ATS:2-16.10,&ATS:2-16.11
Conformance Lab: 0355
                 Bull HN Conformance Test Center
                 13430 N Black Canyon Hwy, P.O. Box 8000
                 Phoenix, AZ 85029

Product Code/Type: P-007 FTAM Product ID: 232
Supplier: 000126
                 Bull Information Systems, Inc.
                 13430 North Black Canyon
                 Phoenix, AZ 85029
Contact: Tom Cody
                 Tel: (602) 862-5114
GOSIP Product: DPX/20 AIX 3 Stack B
  Version/Release: Version 1.0   Release Date: 01-MAY-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 08-MAR-94   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0195
    H/W: DPX/20 Models 100, 400, 600, & 800
    O/S: AIX Version 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0057   Session/TP4-CLNS/CLNP/LAN
Underlying Stack: DPX/20 AIX 3 Stack B Version 1
Underlying Product:
Protocols and Profiles: 0090
    FTAM/(ACSE)/(Presentation)
    FTAM [ISO 8571:1988] {T1, M1, T2, A1}
    FTAM ACSE [ISO 10607-1:1990]
    FTAM Presentation [ISO 10607-1:1990] {ASN.1}
ATS Used: ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,ATS:
                2-16.9,ATS:2-16.10,&ATS:2-16.11
Conformance Lab: 0355
                 Bull HN Conformance Test Center
                 13430 N Black Canyon Hwy, P.0. Box 8000
                 Phoenix, AZ 85029

Product Code/Type: P-007 FTAM Product ID: 113
Supplier: 000001
                 Bull Information Systems, Incorporated
                 13430 North Black Canyon Highway
                 Phoenix, AZ 85029
Contact: Oscar Hefner
                 Tel: (602) 862-6001
                 Fax: (602) 862-6051
GOSIP Product: FTAMX
  Version/Release: Ver 02.01.06
  Release Date: 01-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 18-DEC-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0087
                 DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0057
                 Session/TP4-CLNS/CLNP/LAN
Underlying Stack: LT-610, Bull Information Systems
Underlying Product:
Protocols and Profiles: 0052
                 FTAM [ISO 8571:1988] {T1, M1}
ATS Used: ATS:1-16
Conformance Lab: 0370
                 Conformance Expert Center for OSI Bull - CECOB
                 1 Rue de Provence, BP 208
                 38432 Echirolles France

Product Code/Type: P-007 FTAM Product ID: 90
Supplier: 000036
  Data General Corporation
  4400 Computer Drive, MS/D216
  Westboro, MA 01580
Contact: Charles Stakus
  Tel: (508) 870-6392 Fax: (508) 898-4694
GOSIP Product: FTAM For AViiON Systems
  Version/Release: Ver 3.10
  Release Date: 01-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 13-NOV-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0053
  AViiON 5000/6000 Series
  DG/UX System for AViiON Systems Rev. 5.4.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0057
  Session/TP4-CLNS/CLNP/LAN
Underlying Stack: OSI/Platform for AViiON Systems
Underlying Product:
Protocols and Profiles: 0052
  FTAM [ISO 8571:1988] {T1, M1}
ATS Used: ATS:1-16
Conformance Lab: 0391
  Data General Corporation, OSI Conformance Test Center
  4400 Computer Drive, MS/D216
  Westborough, MA 01580

Product Code/Type: P-007 FTAM Product ID: 205
Supplier: 000102
  Data General Corporation
  4400 Computer Drive
  Westboro, MA 01580
Contact: Peter Conway
  Tel: (508) 898-7176 Fax: (508) 898-4212
GOSIP Product: FTAM for AViiON Systems
  Version/Release: Version 3.30 Release Date: 01-OCT-93
  Additional Info:
Registration: PROV, GOSIP Version 2/registered
  Date: 15-DEC-93 Reason for Removal:
  Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0240
  H/W: AV8500
  O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
  H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
  AV8000, AV8500, AV9000
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: OSI/Platform for AViiON Systems
Underlying Product:
Protocols and Profiles: 0079
  FTAM/(ACSE)/(Presentation)/(Session)
  FTAM [ISO 8571:1988] {T1, M1}
  FTAM ACSE [ISO 10607-1:1990]
  FTAM Presentation [ISO 10607-1:1990] {ASN.1}
  FTAM Session [ISO 10607-1:1990]
ATS Used: ATS:2-16.12, ATS:2-16.10, ATS:2-16.11, ATS:2-16.9,
  ATS:2-16.2, ATS:2-16.6
Conformance Lab: 0364
  CDA, Incorporated
  8301 Greensboro Drive, #350
  McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 220
Supplier: 000102
  Data General Corporation
  4400 Computer Drive
  Westboro, MA 01580
Contact: Peter Conway
  Tel: (508) 898-7176 Fax: (508) 898-4212
GOSIP Product: FTAM AViiON Systems
  Version/Release: Version 3.30 Release Date: 01-OCT-93
  Additional Info: Model AV8500 tested. Vendor claims support for
  other hardware models as listed.
Registration: PROV, GOSIP Version 2/registered
  Date: 08-FEB-94 Reason for Removal:
  Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0240
  H/W: AV8500
  O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0241
  H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
  AV8000, AV8500, AV9000
Connectivity: 0069 TP4-CLNS/CLNP/WAN
Underlying Stack: OSI Platform for AViiON Systems
Underlying Product:
Protocols and Profiles: 0079
  FTAM/(ACSE)/(Presentation)/(Session)
  FTAM [ISO 8571:1988] {T1, M1}
  FTAM ACSE [ISO 10607-1:1990]
  FTAM Presentation [ISO 10607-1:1990] {ASN.1}
  FTAM Session [ISO 10607-1:1990]
ATS Used: ATS:2-16.2
Conformance Lab: 0364
  CDA, Incorporated
  8301 Greensboro Drive, #350
  McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 130
Supplier: 000005
  Digital Equipment Corp
  550 King Street
  Littleton, MA 01460-1289
Contact: Richard Duhamel
  Tel: (508) 486-5021 Fax: (508) 486-7417
  Email: duhamel@woof.enet.dec.com
GOSIP Product: DECnet/OSI for OpenVMS
  Version/Release: Ver V5.5 Release Date: 09-NOV-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 13-JAN-93 Reason for Removal:
  Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0114
  Digital VAX VMS Ver 5.5
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0057
  Session/TP4-CLNS/CLNP/LAN
Underlying Stack: DECNet - OSI for Open VMS VAX Ver
  5.5/VOTS Ver 3.0A
Underlying Product:
Protocols and Profiles: 0057
  FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
ATS Used: ATS:1-16
Conformance Lab: 0362
  Digital Equipment Corporation, OSI Conformance
  Interoperability Test Center
  550 King Street, MS LKG2A/R5
  Littleton, MA 01460-1289

Product Code/Type: P-007 FTAM **Product ID:** 274
Supplier: 000005
Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
GOSIP Product: DECnet/OSI for DEC OSF/1 AXP
Version/Release: Version 2.0 **Release Date:** 14-MAR-94
Additional Info: Minimum memory configuration is 32 MB and
minimum disk space requirement is 680 MB.
Registration: PROV, GOSIP Version 2/registered
Date: 01-AUG-94 Reason for Removal:
Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0221
DEC 3000 Model 500 AXP Workstation
DEC OSF/1 Operating System, Version 2.0
Claimed Compatibility Hardware/Software Platforms: 0222
DEC 3000 Series Workstations and Servers; DEC 2000 Model 300
AXP Workstation; DEC 4000 Model 610 AXP System; DEC 7000
Model 610 AXP System; DEC 10000 Model 610 AXP System
Connectivity: 0122
TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}/10Base2
Underlying Stack: DECnet/OSI V2.0 for DEC OSF/1 AXP
Underlying Product: 243
Protocols and Profiles: 0092
FTAM/(ACSE)/(PRESENTATION)/(SESSION); FTAM [ISO
8571:1988] {T1, M1, R&R}; FTAM ACSE [ISO 10607-1:1990];
FTAM PRESENTATION [ISO 10607-1:1990] {ASN.1}; FTAM
SESSION [ISO 10607-1:1990]
ATS Used: ATS:2-16.2,ATS:2-16.3,ATS:2-16.6,ATS:2-16.9,ATS:2-16.
10, ATS:2-16.11 & ATS:2-16.12
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM **Product ID:** 53
Supplier: 000044
Digital Equipment Corporation
550 King Street
Littleton, MA 01460-1289
Contact: Ladan Porooshani
Tel: (508) 486-7123
GOSIP Product: DECNET-VAX (TM) Extensions Ver 5.4A/VAX
FTAM Ver 2.0A **Version/Release:** Ver 2.0A
Release Date: 01-MAR-92 Additional Info: None
Registration: PROV, GOSIP Version 1/registered
Date: 16-AUG-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0065
Digital VAX with VMS V5.4 and DECNET-VAX V5.4 Extensions
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: DECNet-OSI for OpenVMS VAX V5.5/VOTSV3.0A
Protocols and Profiles: 0029
FTAM/(ACSE)/(Presentation)/(Session)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-007 FTAM **Product ID:** 241
Supplier: 000134
Digital Equipment Corporation
P.O. Box 121, Worton Grange Imperial Way
Reading RG2 OTU England
Contact: David Wiltshire
Tel: +44 734 20 6465 Fax: +44 734 20 4222
Email: wiltshire@naccee.enet.dec.com
GOSIP Product: Common FTAM for DECnet/OSI OpenVMS VAX
Version/Release: Version 3.1 **Release Date:** 21-JAN-94
Registration: PROV, GOSIP Version 2/registered
Date: 27-JUN-94 Reason for Removal:
Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0223
H/W: VAXserver 3600 O/S: OpenVMS VAX Operating System V6.(
Claimed Compatibility Hardware/Software Platforms: 0224
Processors Not Supported: MicroVAX I, VAXstation I,
VAX-11/725, VAX-II/782, and VAXstation 8000
All other VAX are supported
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: DECnet/OSI V5.7 for Open VMS VAX/Ethernet
Controller Card: DESQA-SA; AUI Cable:
BNE4D-02; 10Base2 Adapter: DESTA
Underlying Product: 240
Protocols and Profiles: 0092
FTAM/(ACSE)/(PRESENTATION)/(SESSION); FTAM [ISO
8571:1988] {T1, M1, R&R}; FTAM ACSE [ISO 10607-1:1990];
FTAM PRESENTATION [ISO 10607-1:1990] {ASN.1}; FTAM
SESSION [ISO 10607-1:1990]
ATS Used: ATS:2-16.2,ATS:2-16.3,ATS:2-16.6,ATS:2-16.9,ATS:2-16.10,
ATS:2-16.11,&ATS:2-16.12
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM **Product ID:** 63
Supplier: 000040
Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales
Tel: (305) 587-2900 Fax: (305) 797-5807
GOSIP Product: EnComm FTAM
Version/Release: Ver 2.0.1 **Release Date:** 01-SEP-92
Additional Info: None
Registration: PROV, GOSIP Version 1/registered
Date: 23-SEP-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0067
H/W: Encore Infinity 90 Series GPIO I
O/S: UMAX Ver. 3.0.7
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: Encore Infininty 90 Series GPIO I
Underlying Product:
Protocols and Profiles: 0029
FTAM/(ACSE)/(Presentation)/(Session); FTAM [ISO 8571:1988]
{T1}; FTAM ACSE [ISO 8650:1988]; FTAM Presentation [ISO
8823:1988]; FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 32
Supplier: 000018
        Hewlett-Packard Company
        19420 Homestead Road
        Cupertino, CA 95014-9810
Contact: Murali Subbarao
        Tel: (408) 447-2822   Fax: (408) 447-3660
GOSIP Product: HP FTAM/9000 Series 800
  Version/Release: Ver C.02.03   Release Date: 10-JUN-91
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 30-JAN-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0047
    HP9000 Series 800 computers which support LAN/9000 link
      product; HP-UX Operating System, Version 8.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: Unknown. Documentation was not retained.
Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0365
    Hewlett-Packard Company, OSI Conformance Test Center
    19420 Homestead Road, MS 43UJ
    Cupertino, CA 95014-9810

Product Code/Type: P-007 FTAM Product ID: 135
Supplier: 000085
        IBM Rome Networking Systems Laboratory
        Via Paolo Di Dono 44
        00143 Rome Italy
Contact: Alberto Sinibaldi
        Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
        Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: IBM AIX OSI MESSAGING AND FILING / 6000
  Version/Release: Ver 1
  Release Date: 01-DEC-90
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 25-FEB-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0123
    IBM AIX/6000, Ver 3.1.5, O/S RISC System 6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
        TP4-CLNS/CLNP/LAN
Underlying Stack: None   Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0392
    IBM Rome Networking Systems Laboratory
    Via Paolo Di Dono 44
    00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 166
Supplier: 000085
        IBM Rome Networking Systems Laboratory
        Via Paolo Di Dono 44
        00143 Rome Italy
Contact: Alberto Sinibaldi
        Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
        Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: IBM OSI/File Services
  Version/Release: Version 1 Release 1   Release Date: 01-JUN-90
  Additional Info: Must be used with OSI/Communications Subsystem
        Version 1 Release 1.1, 01-DEC-90
Registration: PROV, GOSIP Version 1/registered
  Date: 24-JUN-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0036
    H/W: IBM System 390   O/S: IBM MVS/ESA Ver 3 Rel 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0081   TP4-CONS/WAN
Underlying Stack: IBM OSI/Communications Subsystem V1R1.1
        IBM X.25 NCP Packet Switching Interface V3R4
Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0392
    IBM Rome Networking Systems Laboratory
    Via Paolo Di Dono 44
    00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 215
Supplier: 000085
        IBM Rome Networking Systems Laboratory
        Via Paolo Di Dono 44
        00143 Rome Italy
Contact: Alberto Sinibaldi
        Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
        Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: OSI File Services/400
  Version/Release: Version 2 Release 3   Release Date: 01-DEC-93
  Additional Info: Must be used with OSI Communications
        Subsystem/400, Version 2 Release 3, December 1993
Registration: PROV, GOSIP Version 1/registered
  Date: 13-JAN-94   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0179
    H/W: AS/400   O/S: OS/400 Version 2 Release 3
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0058   TP0/WAN
Underlying Stack: OSI Communications Subsystem/400, Version 2
        Release 3, December 1993 and AS/400 X.25 Communication
        Support, Version 2 Release 3, GOSIP Product ID: 183
Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session); FTAM [ISO 8571:1988]
    {T1}; FTAM ACSE [ISO 8650:1988]; FTAM Presentation [ISO
    8823:1988]; FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0392
    IBM Rome Networking Systems Laboratory
    Via Paolo Di Dono 44
    00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 257
Supplier: 000085
                IBM Rome Networking Systems Laboratory
                Via Paolo Di Dono 44
                00143 Rome Italy
Contact: Alberto Sinibaldi
                Tel: 39 6 5966-2281   Fax: 39 6 5966-2467
                Email: Sinibald@romeppc.vnet.ibm.com
GOSIP Product: IBM AIX OSI Services/6000
    Version/Release: Version 1 Release 1   Release Date: 01-APR-94
    Additional Info: None
Registration: PROV, GOSIP Version 2/registered
    Date: 01-AUG-94   Reason for Removal:
    Basis: DERIVED   Base Products: 232
Tested Hardware/Operating System Platforms: 0238
                H/W: IBM RISC/6000 Model 32H
                O/S: IBM AIX/6000 Version 3.2.4
Claimed Compatibility Hardware/Software Platforms: 0239
                H/W: IBM RISC/6000 Models 2xx, 3xx, 5xx and 9xx
                O/S: IBM AIX/6000 Version 3
Connectivity: 0057   Session/TP4-CLNS/CLNP/LAN
Underlying Stack: IBM AIX/6000 Version 3.2.4
Underlying Product: 258
Protocols and Profiles: 0096
        FTAM/(ACSE)/(Presentation); FTAM [ISO 8571:1988] {T1};
        FTAM ACSE [ISO 10607-1:1990]; FTAM Presentation [ISO
        10607-1:1990]
ATS Used: ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,
        ATS:2-16.9,ATS:2-16.10 & ATS:2-16.11
Conformance Lab: 0392
                IBM Rome Networking Systems Laboratory
                Via Paolo Di Dono 44
                00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 52
Supplier: 000043
                NCR
                9900 Old Grove Road
                San Diego, CA 92131
Contact: Wendy Morrison
                Tel: (619) 693-5665   Fax: (619) 693-5705
GOSIP Product: NCR OSI STAR PRO FTAM
    Version/Release: Ver 2.00.00   Release Date: 01-JUL-92
    Additional Info: None
Registration: PROV, GOSIP Version 1/registered
    Date: 07-AUG-92   Reason for Removal:
    Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0063
    H/W: NCR System 3000 consisting of the following hardware
        models: 3320, 3340, 3345, 3447, 3450, 3550 and 3600
    O/S: NCR UNIX SVR4, (MP-RAS),Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: Product ID# 51: NCR UNIX OSI Network
                Services, Ver 2.00.02
Underlying Product:
Protocols and Profiles: 0029
        FTAM/(ACSE)/(Presentation)/(Session)
        FTAM [ISO 8571:1988] {T1}
        FTAM ACSE [ISO 8650:1988]
        FTAM Presentation [ISO 8823:1988]
        FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0363
                Corporation for Open Systems International Test Center
                8260 Willow Oaks Corp Drive, Suite 700
                Fairfax, VA 22031

Product Code/Type: P-007 FTAM Product ID: 48
Supplier: 000039
                Novell Incorporated
                2180 Fortune Drive
                San Jose, CA 95131
Contact: Jan Provan
                Tel: (408) 473-8422   Fax: (408) 433-9827
GOSIP Product: NETWARE FTAM
    Version/Release: Ver 1.2 Rev B   Release Date: 20-APR-92
    Additional Info: None
Registration: PROV, GOSIP Version 1/registered
    Date: 24-JUN-92   Reason for Removal:
    Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0057
        FTAM Initiator Hub and Responder AST Premium 386/33;
        Netware 3.11; Novell Ethernet Card; FTAM Initiator Executable
        AST Premium 386/33; DOS 3.3; Novell NE2000 Ethernet Card
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: Unknown. Documentation was not retained.
Underlying Product:
Protocols and Profiles: 0029
        FTAM/(ACSE)/(Presentation)/(Session)
        FTAM [ISO 8571:1988] {T1}
        FTAM ACSE [ISO 8650:1988]
        FTAM Presentation [ISO 8823:1988]
        FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0357
                National Computing Centre Limited
                Oxford Road
                Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 126
Supplier: 000057
                Retix
                2401 Colorado Avenue
                Santa Monica, CA 90404
Contact: Jeff Stone
                Tel: (310) 828-3400
                Fax: (310) 828-2255
GOSIP Product: Retix FTAM Model FT-820
    Version/Release: Ver 1.80
    Release Date: 01-OCT-92
    Additional Info: None
Registration: PROV, GOSIP Version 1/registered
    Date: 21-JAN-93
    Reason for Removal:
    Basis: BASE
    Base Products: n/a
Tested Hardware/Operating System Platforms: 0111
    Intel 486 Alpha Systems Lab
    UNIX System V Rel 3.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0057
                Session/TP4-CLNS/CLNP/LAN
Underlying Stack: Retix LT-610   Underlying Product:
Protocols and Profiles: 0057
        FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
ATS Used: ATS:1-16
Conformance Lab: 0357
                National Computing Centre Limited
                Oxford Road
                Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 134
Supplier: 000057
Retix
2401 Colorado Avenue
Santa Monica, CA 90404
Contact: Jeff Stone
Tel: (310) 828-3400 Fax: (310) 828-2255
GOSIP Product: Retix FTAM FT-820
Version/Release: Ver 1.80 Release Date: 01-OCT-92
Additional Info: None
Registration: PROV, GOSIP Version 1/registered
Date: 01-FEB-92 Reason for Removal:
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0122
Tatung (Intel 386), O/S UNIX System V Rel 3.2 (SCO Ver 4.0)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0069
TP4-CLNS/CLNP/WAN
Underlying Stack: Retix LT-610 Underlying Product:
Protocols and Profiles: 0029
FTAM/(ACSE)/(Presentation)/(Session)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 260
Supplier: 000099
SUN MicroSystems, Inc.
32 Chemin du Vieux Chene
Meylan F-38240 France
Contact: Willy-Francois Poulet
Tel: +33 76 41 42 43 Fax: +33 76 41 42 41
GOSIP Product: SunLink FTAM
Version/Release: Version 8.0.1 Release Date: 01-APR-94
Additional Info: None
Registration: PROV, GOSIP Version 2/registered
Date: 07-JUN-94 Reason for Removal:
Basis: DERIVED Base Products: 187
Tested Hardware/Operating System Platforms: 0217
H/W: SPARCstation Model 41 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0218
H/W: All Sun SPARC Hardware
Connectivity: 0117
TP0/CONS/WAN
Underlying Stack: SunLink OSI 8.0, SunLink X.25 8.0
Underlying Product: 142 and 152
Protocols and Profiles: 0079
FTAM/(ACSE)/(Presentation)/(Session)
FTAM [ISO 8571:1988] {T1, M1}
FTAM ACSE [ISO 10607-1:1990]
FTAM Presentation [ISO 10607-1:1990] {ASN.1}
FTAM Session [ISO 10607-1:1990]
ATS Used: ATS:2-16, ATS:2-16.9, ATS:2-16.10, ATS:2-16.11,
ATS:2-16.12,
and ATS:2-16.13
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 261
Supplier: 000099
SUN MicroSystems, Inc.
32 Chemin du Vieux Chene
Meylan F-38240 France
Contact: Willy-Francois Poulet
Tel: +33 76 41 42 43 Fax: +33 76 41 42 41
GOSIP Product: SunLink FTAM
Version/Release: Version 8.0.1 Release Date: 01-APR-94
Registration: PROV, GOSIP Version 2/registered
Date: 07-JUN-94 Reason for Removal:
Basis: BASE Base Products: N/A
Tested Hardware/Operating System Platforms: 0217
H/W: SPARCstation Model 41 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0218
H/W: All Sun SPARC Hardware
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: SunLink OSI 8.0 Underlying Product: 142
Protocols and Profiles: 0079
FTAM/(ACSE)/(Presentation)/(Session)
FTAM [ISO 8571:1988] {T1, M1}
FTAM ACSE [ISO 10607-1:1990]
FTAM Presentation [ISO 10607-1:1990] {ASN.1}
FTAM Session [ISO 10607-1:1990]
ATS Used: ATS:2-16, ATS:2-16.9, ATS:2-16.10, ATS:2-16.11,
ATS:2-16.12
and ATS:2-16.13
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 262
Supplier: 000099
SUN MicroSystems, Inc.
32 Chemin du Vieux Chene
Meylan F-38240 France
Contact: Willy-Francois Poulet
Tel: +33 76 41 42 43 Fax: +33 76 41 42 41
GOSIP Product: SunLink FTAM
Version/Release: Version 8.0.1 Release Date: 01-APR-94
Additional Info: None
Registration: PROV, GOSIP Version 2/registered
Date: 07-JUN-94 Reason for Removal:
Basis: DERIVED Base Products: 187
Tested Hardware/Operating System Platforms: 0217
H/W: SPARCstation Model 41 O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0218
H/W: All Sun SPARC Hardware
Connectivity: 0069 TP4-CLNS/CLNP/WAN
Underlying Stack: SunLink OSI 8.0, SunLink X.25 8.0
Underlying Product: 142 and 152
Protocols and Profiles: 0079
FTAM/(ACSE)/(Presentation)/(Session)
FTAM [ISO 8571:1988] {T1, M1}
FTAM ACSE [ISO 10607-1:1990]
FTAM Presentation [ISO 10607-1:1990] {ASN.1}
FTAM Session [ISO 10607-1:1990]

ATS Used: ATS:2-16, ATS:2-16.9, ATS:2-16.10, ATS:2-16.11,
ATS:2-16.12
and ATS:2-16.13
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 68
Supplier: 000050
        SUN MicroSystems, Inc. International Centre for
        Network Computing
        32 Rue du Vieux Chene
        F-38240 Meylan France
Contact: Tom Hull
        Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SUNNET OSI FTAM
  Version/Release: Ver 7.1
  Release Date: 01-OCT-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 14-OCT-92
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0075
        Sun 4
        SunOS 4.0.3, 4.1, 4.1.1, 4.1.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
        TP4-CLNS/CLNP/LAN
Underlying Stack: SUNNet OSI 7.0   Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0357
        National Computing Centre Limited
        Oxford Road
        Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 86
Supplier: 000050
        SUN MicroSystems, Inc. International Centre for
        Network Computing
        32 Rue du Vieux Chene
        F-38240 Meylan France
Contact: Tom Hull
        Tel: +33 76 41 42 18   Fax: +33 76 41 42 41
GOSIP Product: SUNNET OSI FTAM
  Version/Release: Ver 7.1
  Release Date: 01-OCT-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 25-NOV-92
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0075
    Sun 4   SunOS 4.0.3, 4.1, 4.1.1, 4.1.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0058
        TP0/WAN
Underlying Stack: SUNNet X.25 Underlying Product:
Protocols and Profiles: 0057
    FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
ATS Used: ATS:1-16
Conformance Lab: 0357
        National Computing Centre Limited
        Oxford Road
        Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 156
Supplier: 000055
        SUN Microsystems Federal, Incorporated
        2650 Park Tower Drive, Suite 500
        Vienna, VA 22180-7306
Contact: Michael Barnes
        Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUNLink OSI FTAM
  Version/Release: Ver 8.0
  Release Date: 04-AUG-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0094
        H/W: SPARCstation 4/30
        O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
        TP4-CLNS/CLNP/LAN
Underlying Stack: SUNLink OSI 8.0   Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0364
        CDA, Incorporated
        8301 Greensboro Drive, #350
        McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 157
Supplier: 000055
        SUN Microsystems Federal, Incorporated
        2650 Park Tower Drive, Suite 500
        Vienna, VA 22180-7306
Contact: Michael Barnes
        Tel: (703) 204-4100   Fax: (703) 204-4782
GOSIP Product: SUNLink OSI FTAM
  Version/Release: Ver 8.0   Release Date: 04-AUG-93
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0095
        H/W: SPARCstation 10 Model 30
        O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
        TP4-CLNS/CLNP/LAN
Underlying Stack: SUNLink 8.0   Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0364
    CDA, Incorporated
    8301 Greensboro Drive, #350
      McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 158
Supplier: 000055
  SUN Microsystems Federal, Incorporated
  2650 Park Tower Drive, Suite 500
  Vienna, VA 22180-7306
Contact: Michael Barnes
  Tel: (703) 204-4100 Fax: (703) 204-4782
GOSIP Product: SUNLink OSI FTAM
  Version/Release: ver 8.0
  Release Date: 04-AUG-93
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0093
  H/W: SPARCstation 10 Model 41
  O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
  TP4-CLNS/CLNP/LAN
Underlying Stack: SUNLink OSI 8.0 Underlying Product:
Protocols and Profiles: 0029
  FTAM/(ACSE)/(Presentation)/(Session)
  FTAM [ISO 8571:1988] {T1}
  FTAM ACSE [ISO 8650:1988]
  FTAM Presentation [ISO 8823:1988]
  FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0364
  CDA, Incorporated
  8301 Greensboro Drive, #350
  McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 159
Supplier: 000055
  SUN Microsystems Federal, Incorporated
  2650 Park Tower Drive, Suite 500
  Vienna, VA 22180-7306
Contact: Michael Barnes
  Tel: (703) 204-4100 Fax: (703) 204-4782
GOSIP Product: SUNLink OSI FTAM
  Version/Release: Ver 8.0 Release Date: 04-AUG-93
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93 Reason for Removal:
  Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0092
  H/W: SPARCstation 10 Model 42
  O/S: Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
  TP4-CLNS/CLNP/LAN
Underlying Stack: SUNLink OSI 8.0 Underlying Product:
Protocols and Profiles: 0029
  FTAM/(ACSE)/(Presentation)/(Session)
  FTAM [ISO 8571:1988] {T1}
  FTAM ACSE [ISO 8650:1988]
  FTAM Presentation [ISO 8823:1988]
  FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0364
  CDA, Incorporated
  8301 Greensboro Drive, #350
  McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 160
Supplier: 000055
  SUN Microsystems Federal, Incorporated
  2650 Park Tower Drive, Suite 500
  Vienna, VA 22180-7306
Contact: Michael Barnes
  Tel: (703) 204-4100 Fax: (703) 204-4782
GOSIP Product: SUNLink OSI FTAM
  Version/Release: Ver 8.0
  Release Date: 04-AUG-93
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 04-JAN-93
  Reason for Removal:
  Basis: BASE
  Base Products: n/a
Tested Hardware/Operating System Platforms: 0096
  RDI BrightLite IPX Color Laptop Workstation
  Solaris 2.1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
  TP4-CLNS/CLNP/LAN
Underlying Stack: SUNLink OSI 8.0 Underlying Product:
Protocols and Profiles: 0029
  FTAM/(ACSE)/(Presentation)/(Session)
  FTAM [ISO 8571:1988] {T1}
  FTAM ACSE [ISO 8650:1988]
  FTAM Presentation [ISO 8823:1988]
  FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0364
  CDA, Incorporated
  8301 Greensboro Drive, #350
  McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 60
Supplier: 000048
  UNISYS Corporation
  2450 Swedesford Road
  Paoli, PA 19301
Contact: Ed Kelly
  Tel: (215) 993-7208
GOSIP Product: OSI-FTAM
  Version/Release: Rel 2R1A Release Date: 03-MAY-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 10-SEP-92 Reason for Removal:
  Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0069
  1100/90 and all 2000 Series Systems OS1100 Release 43R1
  DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver
  9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004 TP4-CLNS/CLNP/LAN
Underlying Stack: CMS 1000 7R2B PLS PCR 15312
Underlying Product:
Protocols and Profiles: 0029
  FTAM/(ACSE)/(Presentation)/(Session)
  FTAM [ISO 8571:1988] {T1}
  FTAM ACSE [ISO 8650:1988]
  FTAM Presentation [ISO 8823:1988]
  FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0367
  UNISYS - Open Systems Interconnection Laboratory
  P.O. Box 203, 2450 Swedesford Road
  Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 75
Supplier: 000047
    UNISYS Corporation
    8008 Westbrook Drive
    McLean, VA 22102
Contact: Keith Fretz
    Tel: (703) 556-5665   Fax: (703) 556-5172
GOSIP Product: OSI-FTAM
  Version/Release: Rel 2R1A
  Release Date: 03-MAY-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 16-OCT-92
  Reason for Removal:
  Basis: DERIVED
  Base Products:
Tested Hardware/Operating System Platforms: 0080
    1100/90 and all 2000 Series Systems, OS1100, Release 43R1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0069
    TP4-CLNS/CLNP/WAN
Underlying Stack: CP 2000 X.25 Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0367
    UNISYS - Open Systems Interconnection Laboratory
    P.O. Box 203, 2450 Swedesford Road
    Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 80
Supplier: 000048
    UNISYS Corporation
    2450 Swedesford Road
    Paoli, PA 19301
Contact: Ed Kelly
    Tel: (215) 993-7208
GOSIP Product: OSI-FTAM
  Version/Release: Rel 2R1A
  Release Date: 03-MAY-92
  Additional Info: None
Registration: PROV, GOSIP Version 1/registered
  Date: 01-SEP-92   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0069
    1100/90 and all 2000 Series Systems OS1100 Release 43R1
    DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver
    9R1A
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
    TP4-CLNS/CLNP/LAN
Underlying Stack: DCP OSITS Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0367
    UNISYS - Open Systems Interconnection Laboratory
    P.O. Box 203, 2450 Swedesford Road
    Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 146
Supplier: 000060
    UNISYS Corporation
    8008 West Park Drive
    McLean, VA 22102
Contact: Dale Pluta
    Tel: (703) 556-5682   Fax: (703) 556-5172
GOSIP Product: A-Series OSI FTAM
  Version/Release: Ver 40.400.0008
  Release Date: 16-NOV-92
  Additional Info: In conjunction with A-Series/CP2000 OSI-IPC Ver
    30.00.199, Rel 11-Dec-92
Registration: PROV, GOSIP Version 1/registered
  Date: 13-APR-93   Reason for Removal:
  Basis: BASE   Base Products: n/a
Tested Hardware/Operating System Platforms: 0138
    A6   A-Series System Ver 4.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0004
    TP4-CLNS/CLNP/LAN
Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199 11-DEC-92
Underlying Product:
Protocols and Profiles: 0029
    FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
    FTAM Session [ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: 0367
    UNISYS - Open Systems Interconnection Laboratory
    P.O. Box 203, 2450 Swedesford Road
    Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 150
Supplier: 000060
    UNISYS Corporation
    8008 West Park Drive
    McLean, VA 22102
Contact: Dale Pluta
    Tel: (703) 556-5682   Fax: (703) 556-5172
GOSIP Product: A-Series OSI-FTAM Product 115/P7.1a
  Version/Release: Ver 40.400.0008
  Release Date: 16-NOV-92
  Additional Info: Session Layer is not registered at the request of the
    vendor UNISYS
Registration: PROV, GOSIP Version 1/registered
  Date: 06-MAY-93   Reason for Removal:
  Basis: DERIVED   Base Products:
Tested Hardware/Operating System Platforms: 0138
    A6
    A-Series System Ver 4.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0081
    TP4-CONS/WAN
Underlying Stack: Unisys Product 113/P4.2 Underlying Product:
Protocols and Profiles: 0028
    FTAM/(ACSE)/(Presentation)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
ATS Used: ATS-16
Conformance Lab: 0367
    UNISYS - Open Systems Interconnection Laboratory
    P.O. Box 203, 2450 Swedesford Road
    Paoli, PA 19301

5.4.4 REGISTER OF GOSIP INTEROPERABILITY TEST SUITES

Test Suites for the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional, valid until December 31, 1994.

ITS-1 X.400

OSINET, Message Handling Systems Interoperability Tests, Version 1, Edition 2, September 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

ITS-2 FTAM

OSINET, File Transfer, Access and Management Interoperability Tests, Version 1, Edition 2, June 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

5.4.5 REGISTER OF GOSIP INTEROPERABILITY TEST AND REGISTRATION SERVICES

Interoperability Test and Registration Services which meet the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional.

ITRS-1 OSINET
c/o Corporation for Open Systems International
1750 Old Meadow Road Suite 400, McLean, VA 22102
Tel: (703) 883-2797

ITRS-2 Process to Support Interoperability (PSI)
SPAG, PSI Operator, SPAGsa
Avenue Louise 165, Box 6,B-1050 Brussels, Belgium
Tel. 32 2 645 7811
Fax. 32 2 645 0879

5.4.6 REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 1

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTS relate to the protocols identified in FIPS 146 GOSIP Version 1. For further details of each MOT listed, please contact the named supplier. Entries on this register are provisional, and are listed in the register as valid until March 30, 1992. However, at the direction of NIST, and in order to accomplish the transition to GOSIP Version 2, the validity of the GOSIP Version 1 MOT registrations has been extended indefinitely. Each GOSIP Version 1 MOT that is currently in the register will remain here until either of the following events occur: (1) the vendor withdraws the MOT from registration, or (2) NIST directs the further deregistration of GOSIP Version 2 MOT.

M-001 WAN TEST SYTEMS

NOTE: Wide area test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

M-002 LAN TEST SYSTEMS

NOTE: Local area test systems registered under GOSIP Version 1 and not related to FTAM or MHS were deleted from the register as of March 14, 1993.

M-002 LAN

Supplier: Corporation for Open Systems
International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031
Contact: Andrea Reitzel
Tel: (703) 205-2809
Fax: (703) 846-8590
Test System Name, Release and Date:
COS 802.2 /802.3 10Base5 Layer 2 Test System
Ver 1.4
01-DEC-90
Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0018
MS-DOS 3.1, IBM PC/AT Compatible
HP 4972A LAN Protocol Analyzer with RS-232C Option, Ver B.04.01
HP 8568B Signal Generator
HP 8770A Arbitrary Waveform Synthesizer
HP 16500A Logic Analyzer
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0027
PLS{802.3}/10Base5
Underlying Stack:
Protocols and Profiles: 0031
LLC1 [ISO 8802-2]/MAC [ISO 8802-3]
Date Registered: 21-JUL-92
Type of Registration and Expiration Date:
PROV, GOSIP Version 1
01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-3
ATS:1-6

Supplier: Corporation for Open Systems
            International Test Center
            8260 Willow Oaks Corp Drive, Suite 700
            Fairfax, VA 22031
Contact: Andrea Reitzel
     Tel: (703) 205-2809
     Fax: (703) 846-8590
Test System Name, Release and Date:
     COS 802.3 Test System, Ver 1.0, May 1989
     Ver 1.0   01-MAY-89
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0071
        HP 16500A Logic Analyzer System Mainframe, Ver 2.0
        HP 16531A 400 MHz Scope Card, Ver 2.01
        HP 16530A Timebase Card, Ver 2.0, HP 16510A 25 MHz
         Statetiming Card,
        HP 8656B Signal Generator, Options 001 & 002, HP 8770A
        Arbitrary Waveform Synthesizer, HP 4972A LAN Protocol
        Analyzer with RS-232C Option, Ver B.04.01
Base/Derived: BASE
From MOT ID:
Connectivity: 0027
           PLS{802.3}/10Base5
Underlying Stack:
Protocols and Profiles: 0039
     MAC [ISO 8802-3] PLS
Date Registered: 30-OCT-90
Type of Registration and Expiration Date:
     PROV, GOSIP Version 1   01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-3

M-003 CLNP TEST SYSTEMS

NOTE: CLNP test systems registered under GOSIP Version 1 were
        deleted from the register as of March 14, 1993.

M-004 TRANSPORT TEST SYSTEMS

NOTE: Transport test systems registered under GOSIP Version 1
        were deleted from the register as of March 14, 1993.

M-005   SESSION   MOT ID: 46

Supplier: Alcatel TITN Test Center
           7011 Koll Center Parkway, Suite 200
           Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
     Tel: (510) 484-5674
     Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE, Session
     Ver 1.1
        30-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platform:0061
     80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0037
           TP4-CLNS/CLNP{ES}/LAN
           TP0/WAN
           TP0/X.25/PLP/HDLC/RS-232C
Underlying Stack:
TWICE source code modified by Alcatel TITN ANSWARE for X.25
Protocols and Profiles: 0012
     [ISO 8327] Session/Full Session
Date Registered: 03-AUG-92
Type of Registration and Expiration Date:
     PROV, GOSIP Version 1
        01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-10

Supplier: National Computing Centre Limited
                Oxford House, Oxford Road]
                Manchester M1 7ED United Kingdom
Contact: Peter Bird
     Tel: +44 61 228 6333
     Fax: +44 61 236 9877
     Email: peter@ncc.co.uk
Test System Name, Release and Date:
     NCC:COS Session Tester
     Ver 1.0
        01-AUG-91
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platform:0060
        Sun 3 Series, SunOS 4.1.1 or later
        Sun 4 Series, SunOS 4.1.1 or later
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0033
           TP0/X.25 PLP/X.25 LAP-B/RS-232C
           TP2/X.25 PLP/X.25 LAP-B/V.35
           TP4-CONS/X.25 PLP/X.25 LAP-B
           TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
           TP4-CLNS/CLNP{ES}/X.25 PLP/X.25 LAP-B
Underlying Stack:
Protocols and Profiles: 0012
        [ISO 8327] Session/Full Session
Date Registered: 14-JUL-92
Type of Registration and Expiration Date:
        PROV, GOSIP Version 1
        01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-10

M-006   MHS

Supplier: GSI-Danet Incorporated
           1380 Old Freeport Road
           Pittsburgh, PA 15238
Contact: Hans-Ludwig Heil
           Tel: (412) 967-0834   Fax: (412) 963-6779
Test System Name, Release and Date:
           OSITEST/400   Ver 3.3   01-JUL-90
Claimed Hardware and Operating System Platforms: 0026
    Sun 3 Series, SunOS 3.5; Sun 4 series, SunOS 4.1
    DEC MicroVAX, ULTRIX 2.2
Tested Hardware and Operating System Platforms: 0001
Base/Derived: BASE
From MOT ID:
Connectivity: 0018
           Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
           Session/TP0/X.25 PLP/X.25 LAP-B/V.35
           Session/TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
Underlying Stack:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
Date Registered: 30-SEP-90
Type of Registration and Expiration Date:
           PROV, GOSIP Version 1   01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-13
ATS:1-14
ATS:1-15

Supplier: National Computing Centre Limited
               Oxford House, Oxford Road
               Manchester M1 7ED United Kingdom
Contact: Peter Bird
               Tel: +44 61 228 6333   Fax: +44 61 236 9877
               Email: peter@ncc.co.uk
Test System Name, Release and Date:
           NCC:COS MHS Tester   Ver 2.2.2 01-JUL-91
Claimed Hardware and Operating System Platforms: 0023
               Sun 4 series, SunOS 4.1
Tested Hardware and Operating System Platforms: 0001
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0020
    Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
    Session/TP0/X.25 PLP/X.25 LAP-B/V.35
    Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/RS-232C
    Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/V.35
    Session/TP4-CLNS/CLNP/LLC1[802.2]/MAC[802.3 and 802.4]
Underlying Stack:
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
Date Registered: 19-AUG-91
Type of Registration and Expiration Date:
           PROV, GOSIP Version 1   01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-13
ATS:1-14
ATS:1-15

M-007   FTAM

Supplier: Alcatel TITN Incorporated
           12030 Sunrise Valley Drive
           Reston, VA 22091
Contact: Sanjay Lokare
           Tel: (510) 484-5674   Fax: (510) 484-4078
Test System Name, Release and Date:
           XRTLE FTAM   Ver 1.0   10-APR-91
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0042
    Sun 3 Series, SunOS 4.0.3; Sun 4 Series, SunOS 4.1
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0021
           Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
           Session/TP0/X.25 PLP/X.25 LAP-B/V.35
           Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C
           Session/TP4-CONS/X.25 PLP/X.25 LAP-B/V.35
           Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}
Underlying Stack:
Protocols and Profiles: 0028
    FTAM/(ACSE)/(Presentation)
    FTAM [ISO 8571:1988] {T1}
    FTAM ACSE [ISO 8650:1988]
    FTAM Presentation [ISO 8823:1988]
Date Registered: 04-JUN-91
Type of Registration and Expiration Date:
           PROV, GOSIP Version 1   01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments

Supplier: Alcatel TITN Test Center
           7011 Koll Center Parkway, Suite 200
           Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
           Tel: (510) 484-5674   Fax: (510) 484-4078
Test System Name, Release and Date:
    XRTLE, FTAM
    Ver 1.0
    10-APR-91
Claimed Hardware and Operating System Platforms: 0042
    Sun 3 Series, SunOS 4.0.3
    Sun 4 Series, SunOS 4.1
Tested Hardware and Operating System Platforms: 0001

Base/Derived: UPDATE
From MOT ID:
Connectivity: 0021
           Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
           Session/TP0/X.25 PLP/X.25 LAP-B/V.35
           Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C
           Session/TP4-CONS/X.25 PLP/X.25 LAP-B/V.35
           Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}
Underlying Stack:
Protocols and Profiles: 0032
    FTAM [ISO 8571]
Date Registered: 04-JUN-91
Type of Registration and Expiration Date:
    PROV, GOSIP Version 1
    01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-16

Supplier: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
Tel: (510) 484-5674
Fax: (510) 484-4078
Test System Name, Release and Date:
XRTLE, FTAM
Ver 1.2
30-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0035
Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}
Session/TP0/X.25/PLP/HDLC/RS-232C
Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C and V.35
Underlying Stack:
Protocols and Profiles: 0032
FTAM [ISO 8571]
Date Registered: 03-AUG-92
Type of Registration and Expiration Date:
PROV, GOSIP Version 1
01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-16

Supplier: GSI-Danet Incorporated
1380 Old Freeport Road
Pittsburgh, PA 15238
Contact: Hans-Ludwig Heil
Tel: (412) 967-0834
Fax: (412) 963-6779
Test System Name, Release and Date:
OSITEST/FTAM
Ver 2.4
01-JUL-90
Claimed Hardware and Operating System Platforms: 0026
Sun 3 Series, SunOS 3.5
Sun 4 series, SunOS 4.1
DEC MicroVAX, ULTRIX 2.2
Tested Hardware and Operating System Platforms: 0001
Base/Derived: BASE
From MOT ID:
Connectivity: 0018
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
Date Registered: 30-SEP-90
Type of Registration and Expiration Date:
PROV, GOSIP Version 1
01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-16

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED United Kingdom
Contact: Peter Bird
Tel: +44 61 228 6333
Fax: +44 61 236 9877
Email: peter@ncc.co.uk
Test System Name, Release and Date:
NCC:COS FTAM Tester
Ver 2.3.1
18-MAR-92
Claimed Hardware and Operating System Platforms: 0056
Sun 3 Series, SunOS 4.1 or later
Sun 4 Series, SunOS 4.1 or later
Tested Hardware and Operating System Platforms: 0001
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0029
Session/TP0/X.25 PLP/X.25 LAP-B
Session/TP2/X.25 PLP/X.25 LAP-B
Session/TP4-CONS/X.25 PLP/X.25 LAP-B
Session/TP4-CLNS/CLNP
Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
Date Registered: 23-APR-92
Type of Registration and Expiration Date:
PROV, GOSIP Version 1
01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-16

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED United Kingdom
Contact: Peter Bird
Tel: +44 61 228 6333   Fax: +44 61 236 9877
Email: peter@ncc.co.uk
Test System Name, Release and Date:
NCC:COS FTAM Tester Ver 2.4   05-MAR-92
Claimed Hardware and Operating System Platforms: 0056
Sun 3 Series, SunOS 4.1 or later
Sun 4 Series, SunOS 4.1 or later
Tested Hardware and Operating System Platforms: 0001
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0018
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
Date Registered: 14-JUL-92
Type of Registration and Expiration Date:
PROV, GOSIP Version 1   01-OCT-92
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:1-16

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED United Kingdom
Contact: Peter Bird
Tel: +44 61 228 6333
Fax: +44 61 236 9877
Email: peter@ncc.co.uk
Test System Name, Release and Date:
NCC:COS FTAM Tester Ver 2.2.2   01-JUL-91
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0023
Sun 4 Series, SunOS 4.1
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0020
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP/LLC1[802.2]/MAC[802.3 and 802.4]
Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
Date Registered: 01-AUG-91
Type of Registration and Expiration Date:
PROV, GOSIP Version 1   01-OCT-92
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 2

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTs relate to the protocols identified in FIPS 146-1, GOSIP Version 2. The type of registration and expiration date are listed with each MOT. For further details on MOTs found in this register, please contact the named supplier.

M-001   WAN

Supplier: Hewlett-Packard Company
4211 - 95 Street
Edmonton, Alberta T6E5R6 Canada
Contact: Bill Mortimer
Tel: (403) 462-4545
Test System Name, Release and Date:
ISO 8882 Test Suite
Ver 3.0
01-SEP-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0116
PT300, PT302, PT500, PT502 and PT540, O/S Version 2.0
Base/Derived: BASE

From MOT ID:
Connectivity: 0044
RS-232C, V.35
Underlying Stack:
Protocols and Profiles: 0068
X.25 PLP [8208] {CCITT 1980, 1984, ISO 8208}
(X.25 LAP-B[7776])
Date Registered: 29-JAN-93
Type of Registration and Expiration Date:
FULL, GOSIP Version 2
01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-1		99.7		Full X.25 with the inclusion of ANSI Defect Reports.
ATS:2-2		100		

Supplier: Hewlett-Packard Company
4211 - 95 Street
Edmonton, Alberta T6E5R6 Canada
Contact: Bill Mortimer
Tel: (403) 462-4545
Test System Name, Release and Date:
ISO 8882 Test Suite   Ver 3.1   01-FEB-93
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0126
PT300, PT302, PT500, PT502 AND PT540
OS Ver 2.0 (PT500/300), 2.7 (PT502/300) and 2.8 (PT540)
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0044
RS-232C, V.35
Underlying Stack:
Protocols and Profiles: 0068
X.25 PLP [8208] {CCITT 1980, 1984, ISO 8208}
(X.25 LAP-B[7776])
Date Registered: 17-FEB-93
Type of Registration and Expiration Date:
FULL, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-1		100		
ATS:2-2		100		Full X.25 with the inclusion of ansi defect reports.

Supplier: International Business Machines Corporation
P.O. Box 12195
Research Triangle Park, NC 27709
Contact: John G Conner
Tel: (919) 254-2679
Test System Name, Release and Date:
Automated Protocol Test System/2 (APTS/2)
Ver 1.1
03-AUG-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0097
IBM PS/2 Model 70, 80 or 90 with 8MB memory
OS/2 Ver 1.3
Base/Derived: BASE
From MOT ID:
Connectivity: 0044
RS-232C, V.35
Underlying Stack:
Protocols and Profiles: 0068
X.25 PLP [8208] {CCITT 1980, 1984, ISO 8208}
(X.25 LAP-B[7776])
Date Registered: 14-DEC-92
Type of Registration and Expiration Date:
FULL, GOSIP Version 2
01-JAN-94
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-1			99.7	
ATS:2-2			100	

Supplier: TEKELEC
26580 West Aqoura Road
Calabasas, CA 91302
Contact: Siamak Poursabahian
Tel: (818) 880-7952
Fax: (818) 880-6993
Test System Name, Release and Date:
Chameleon 32-Plus ISO 8882 Test Suite
Ver 1.0
14-JUL-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0125
Chameleon 32-Plus
MTOS-UX
Base/Derived: BASE
From MOT ID:
Connectivity: 0044
RS-232C, V.35
Underlying Stack:
Protocols and Profiles: 0068
X.25 PLP [8208] {CCITT 1980, 1984, ISO 8208}
(X.25 LAP-B[7776])
Date Registered: 08-FEB-93
Type of Registration and Expiration Date:
FULL, GOSIP Version 2
01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-1		100		Full X.25
ATS:2-2		100		With the inclusion of ANSI defect reports.

Supplier: TEKELEC
26580 W. Aqoura Road
Calabasas, CA 91302
Contact: Pierre Prescott
Tel: (818) 880-7780
Fax: (818) 880-6993
Test System Name, Release and Date:
Chameleon 32-Plus ISO 8882 Test Suite
Ver 2.0
17-DEC-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0125
Chameleon 32-Plus
MTOS-UX
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0044
RS-232C, V.35
Underlying Stack:
Protocols and Profiles: 0068
X.25 PLP [8208] {CCITT 1980, 1984, ISO 8208}
(X.25 LAP-B[7776])
Date Registered: 12-MAY-93
Type of Registration and Expiration Date:
FULL, GOSIP Version 2
01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-1		100		
ATS:2-2		100		

M-003   CLNP

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
Tel: (510) 484-5674
Fax: (510) 484-4078
Test System Name, Release and Date:
Alcatel TITN, Inc., XRTLE V4.21/CLNP V1.1
XRTLE Kernel V4.21/CLNP V1.1
29-JAN-92
Claimed Hardware and Operating System Platforms: 0206
80386 based PC, Interactive 386/iX UNIX Ver 2.2, 3.0, and 3.0.1
Tested Hardware and Operating System Platforms: 0129
80386 Based PC
Interactive 386/iX UNIX Ver 3.0
Base/Derived: BASE
From MOT ID:
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack:
LAN CMC 640 A.T. Type CMC
Protocols and Profiles: 0093
CLNP{ES} [ISO 8473:1988] SIA V3
Date Registered: 11-JAN-93
Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-7	63.6	27.3	90.9	

Supplier: Alcatel TITN Incorporated
    7011 Koll Center Parkway, Suite 200
    Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
    Tel: (510) 484-5674
    Fax: (510) 484-4078
Test System Name, Release and Date:
    Alcatel TITN, Inc., XRTLE V5.20/CLNP V2.0
    XRTLE Kernel V5.20/CLNP V2.0   15-JUL-93
    Simple Update Registration. Kernel change to include
    support of the MOTIF Graphical User Interface.
Claimed Hardware and Operating System Platforms: 0230
    PC 386/486
    Interactive UNIX V2.2, V3.0 or 3.0.1
Tested Hardware and Operating System Platforms: 0129
    80386 Based PC
    Interactive 386/iX UNIX Ver 3.0
Base/Derived: UPDATE
From MOT ID: 84 and 61
Connectivity: 0014
    X.25 PLP/HDLC LAP-B/RS-232C
    X.25 PLP/HDLC LAP-B/V.35
    CLNP/8802-2/8802-3
Underlying Stack:
    TWICE X.25 and LLC1 modified by Alcatel TITN ANSWARE
    for XRTLE. LAN CMC 640 A.T. TYPE CMC
Protocols and Profiles: 0093
    CLNP{ES} [ISO 8473:1988] SIA V3
Date Registered: 30-JUN-94
Type of Registration and Expiration Date:
    PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments

Supplier: Alcatel TITN Incorporated
    7011 Koll Center Parkway, Suite 200
    Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
    Tel: (510) 484-5674
    Fax: (510) 484-4078
Test System Name, Release and Date:
    Alcatel TITN, Inc., XRTLE V5.20 CLNP V2.0
    XRTLE Kernel V5.20 CLNP V2.0   15-JUL-93
    Extended update registration. Extend coverage of ATS:2-7 to
    include support for X.25 connectivity.
Claimed Hardware and Operating System Platforms: 0230
    PC 386/486   Interactive UNIX V2.2, V3.0 or 3.0.1
Tested Hardware and Operating System Platforms: 0129
    80386 Based PC
    Interactive 386/iX UNIX Ver 3.0
Base/Derived: UPDATE
From MOT ID: 61
Connectivity: 0011
    X.25 PLP/HDLC LAP-B/RS-232C
    X.25 PLP/HDLC LAP-B/V.35
Underlying Stack:
    TWICE X.25 and LLC1 modified by Alcatel TITN ANSWARE
    for XRTLE
Protocols and Profiles: 0093
    CLNP{ES} [ISO 8473:1988] SIA V3
Date Registered: 07-JUL-94
Type of Registration and Expiration Date:
    PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:2-7   65.7   25.7   91.4

Supplier: National Computing Centre Limited
    Oxford House, Oxford Road
    Manchester M1 7ED United Kingdom
Contact: Peter Bird
    Tel: +44 61 228 6333
    Fax: +44 61 236 9877
    Email: peter@ncc.co.uk
Test System Name, Release and Date:
    NCC IP (CLNP) Test System
    Ver 2.2.1, ITS Ver 2.3
    01-MAR-91
Claimed Hardware and Operating System Platforms: 0187
    Sun 3 or Sun 4 Workstations
    SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0001
Base/Derived: BASE
From MOT ID:
Connectivity: 0115
    LLC1{802.2}/MAC{802.3}
    X.25 PLP/X.25 LAP-B
Underlying Stack:
    SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0 (TP0)
Protocols and Profiles: 0046
    CLNP{ES} [ISO 8473:1988] {Static Routing}
Date Registered: 03-MAR-93
Type of Registration and Expiration Date:
    PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:
ATS Code   Auto % Manual % Total % Comments
ATS:2-7   97.1   With use of manual
    assessment

M-004   TRANSPORT

Supplier: Alcatel TITN Incorporated
    7011 Koll Center Parkway, Suite 200
    Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
    Tel: (510) 484-5674   Fax: (510) 484-4078
Test System Name, Release and Date:
    T4L XRTLE Version 5.20   2.41a   01-MAY-93
    Simple Upgrade: Kernel change to support the MOTIF
    graphical user interface. Derived Update: Addition of X.25
    underlying stack.
Claimed Hardware and Operating System Platforms: 0229
    H/W: 80386 based PC
    O/W: Interactive UNIX V3.0
Tested Hardware and Operating System Platforms: 0228
    H/W: 80486 based PC
    O/S: Interactive UNIX V3.0.1
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0094
    CLNP{ES}/LLC1{802.2}/MAC{802.3}
    CLNP{ES}/X.25 PLP/X.25 LAP-B
Underlying Stack:
Protocols and Profiles: 0064
    Transport Class 4/CLNS [ISO 8073:1988/Add.2:1989]
Date Registered: 07-JUL-94
Type of Registration and Expiration Date:
    PROV, GOSIP Version 2   01-OCT-94
Reason for Removal: N/A
ATS Code   Auto % Manual % Total % Comments
ATS:2-9.1   92.7   1   93.7

Supplier: Alcatel TITN Test Center
                 7011 Koll Center Parkway, Suite 200
                 Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
                 Tel: (510) 484-5674
             Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE Ver 4.2.1
     TR02 (Transport Class 0) Ver 1.1
       29-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
     80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0046
             X.25 PLP/HDLC LAP-B
Underlying Stack:
     TWICE Source code modified by Alcatel TITN ANSWARE
Protocols and Profiles: 0010
     Transport Class 0 [ISO 8073:1988]
Date Registered: 01-FEB-93
Type of Registration and Expiration Date:
             PROV, GOSIP Version 2
             01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-8	87	0	87	

Supplier: Alcatel TITN Test Center
                 7011 Koll Center Parkway, Suite 200
                 Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
                 Tel: (510) 484-5674
             Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE Ver 4.21
     TR02 (Transport Class 2) Ver 1.1
       29-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
     80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0046
             X.25 PLP/HDLC LAP-B
Underlying Stack:
     TWICE Source code modified by Alcatel TITN ANSWARE for
     X.25
Protocols and Profiles: 0060
     Transport Class 2 [ISO 8073:1988]
Date Registered: 05-MAR-93
Type of Registration and Expiration Date:
             PROV, GOSIP Version 2
             01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-20	92.7	1	93.7	

Supplier: Alcatel TITN Test Center
                 7011 Koll Center Parkway, Suite 200
                 Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
                 Tel: (510) 484-5674   Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE Ver 4.21 TP4/CONS
     Ver 2.3
       29-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
     80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0046
             X.25 PLP/HDLC LAP-B
Underlying Stack:
     TWICE Source code modified by Alcatel TITN ANSWARE for
     X.25
Protocols and Profiles: 0011
     Transport Class 4-CONS [ISO 8073:1988]
Date Registered: 02-MAR-93
Type of Registration and Expiration Date:
             PROV, GOSIP Version 2
             01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-9.3	86.5	2.6	89.1	

Supplier: Alcatel TITN Test Center
                 7011 Koll Center Parkway, Suite 200
                 Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
                 Tel: (510) 484-5674
             Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE Ver 4.21
     T4L (TP4-CLNS) Ver 2.41
       29-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
     80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0041
             CLNP{ES}/LLC1{802.2}/MAC{802.3}
Underlying Stack:
     TWICE Source code modified by Alcatel TITN ANSWARE for
     CLNP
Protocols and Profiles: 0075
     Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]
Date Registered: 05-MAR-93
Type of Registration and Expiration Date:
             PROV, GOSIP Version 2
             01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-9.1	94.7	.6	95.3	

Supplier: Alcatel TITN Test Center
     7011 Koll Center Parkway, Suite 200
     Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
     Tel: (510) 484-5674
     Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE Ver 4.21
     TR02 (TP0) Ver 1.1
     29-JAN-92
Claimed Hardware and Operating System Platforms: 0187
     Sun 3 or Sun 4 Workstations
     SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0216
     Sun 4 IPC Workstation
     SunOS 4.1.1
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0046
     X.25 PLP/HDLC LAP-B
Underlying Stack:
     TWICE Source code modified by Alcatel TITN ANSWARE for X.25
Protocols and Profiles: 0010
     Transport Class 0 [ISO 8073:1988]
Date Registered: 03-DEC-93
Type of Registration and Expiration Date:
     PROV, GOSIP Version 2
     01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-8	87	0	87	

Supplier: Alcatel TITN Test Center
     7011 Koll Center Parkway, Suite 200
     Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
     Tel: (510) 484-5674
     Fax: (510) 484-4078
Test System Name, Release and Date:
     XRTLE Ver 4.21
     TP4/CLNS Ver 2.41
     29-JAN-92
Claimed Hardware and Operating System Platforms: 0187
     Sun 3 or Sun 4 Workstations
     SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0216
     Sun 4 IPC Workstation
     SunOS 4.1.1
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0041
     CLNP{ES}/LLC1{802.2}/MAC{802.3}
Underlying Stack:
     TWICE Source code modified by Alcatel TITN ANSWARE for CLNP
Protocols and Profiles: 0082
     Transport Class 4-CLNP [ISO 8073:1988/Add2:1989]
Date Registered: 03-DEC-93
Type of Registration and Expiration Date:
     PROV, GOSIP Version 2
     01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-9.1	94.7	.6	95.3	

Supplier: National Computing Centre Limited
     Oxford House, Oxford Road
     Manchester M1 7ED United Kingdom
Contact: Peter Bird
     Tel: +44 61 228 6333
     Fax: +44 61 236 9877
     Email: peter@ncc.co.uk
Test System Name, Release and Date:
     NCC ITS Transport Test System, Class 0
     Release 3.0
     04-JAN-92
     ITS Protocol Engine Ver 2.3
Claimed Hardware and Operating System Platforms: 0187
     Sun 3 or Sun 4 Workstations
     SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0145
     Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0063
     X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack:
     SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0 (TP0)
Protocols and Profiles: 0010
     Transport Class 0 [ISO 8073:1988]
Date Registered: 31-MAR-93
Type of Registration and Expiration Date:
     PROV, GOSIP Version 2
     01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-8	85.2	3.7	88.9	

Supplier: National Computing Centre Limited
     Oxford House, Oxford Road
     Manchester M1 7ED United Kingdom
Contact: Peter Bird
     Tel: +44 61 228 6333
     Fax: +44 61 236 9877
     Email: peter@ncc.co.uk
Test System Name, Release and Date:
     NCC ITS Transport Test System, Class 2 Release 3.0
     ITS Protocol Engine Ver 2.3
     04-JAN-92
Claimed Hardware and Operating System Platforms: 0187
     Sun 3 or Sun 4 Workstations
     SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0145
     Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0063
     X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack:
     SunNET 7.0 X.25 + OSI
Protocols and Profiles: 0060
     Transport Class 2 [ISO 8073:1988]
Date Registered: 31-MAR-93
Type of Registration and Expiration Date:
     PROV, GOSIP Version 2
     01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-20	66.5	5.3	71.8	

Supplier: National Computing Centre Limited
    Oxford House, Oxford Road
    Manchester M1 7ED United Kingdom
Contact: Peter Bird
    Tel: +44 61 228 6333
    Fax: +44 61 236 9877
    Email: peter@ncc.co.uk
Test System Name, Release and Date:
 NCC ITS Transport Test System, Class 4/CONS Release 3.0
 ITS Protocol Engine Ver 2.3
 04-JAN-92
Claimed Hardware and Operating System Platforms: 0187
 Sun 3 or Sun 4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0145
 Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0063
   X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack:
 SunNET 7.0 X.25 + OSI
Protocols and Profiles: 0011
 Transport Class 4-CONS [ISO 8073:1988]
Date Registered: 31-MAR-93
Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-9.2	77.8	3.8	81.6	

Supplier: National Computing Centre Limited
    Oxford House, Oxford Road
    Manchester M1 7ED United Kingdom
Contact: Peter Bird
    Tel: +44 61 228 6333
    Fax: +44 61 236 9877
    Email: peter@ncc.co.uk
Test System Name, Release and Date:
 NCC ITS Transport Test System, Class 4/CLNS Release 3.0
 ITS Protocol Engine Ver 2.3
 01-MAY-92
Claimed Hardware and Operating System Platforms: 0187
 Sun 3 or Sun 4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0145
 Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0010
   LLC1{802.2}/MAC{802.3}
Underlying Stack:
Protocols and Profiles: 0069
 Transport Clas 4/CLNS [ISO 8073]:1988/Add.2:1989
Date Registered: 31-MAR-93
Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-9.2	86.5	2.4	88.9	

M-005 SESSION

Supplier: Alcatel TITN Test Center
    7011 Koll Center Parkway, Suite 200
    Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
    Tel: (510) 484-5674
    Fax: (510) 484-4078
Test System Name, Release and Date:
 XRTLE Ver 4.21
 Session Version 1.1
 29-JAN-92
Claimed Hardware and Operating System Platforms: 0186
 PC 386/486
 Interactive UNIX V2.2, V2.2.1, V3.0, V3.0.1
Tested Hardware and Operating System Platforms: 0129
 80386 Based PC
 Interactive 386/iX UNIX Ver 3.0
Base/Derived: BASE
From MOT ID:
Connectivity: 0059
   TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
Underlying Stack:
   TWICE Source code modified by Alcatel TITN
ANSWARE for
   Transport and CLNP
Protocols and Profiles: 0066
   Session [ISO 8327:1987]
Date Registered: 14-JAN-93
Type of Registration and Expiration Date:
   PROV, GOSIP Version 2
   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-10.1	98.4	.2	98.6	With use of manual assessment

Supplier: Alcatel TITN Test Center
    7011 Koll Center Parkway, Suite 200
    Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
    Tel: (510) 484-5674
    Fax: (510) 484-4078
Test System Name, Release and Date:
 XRTLE Ver 4.21
 SESSION Ver 1.1
 29-JAN-92
Claimed Hardware and Operating System Platforms: 0187
 Sun 3 or Sun 4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0001
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0108
   TP4-CLNS/CLNP{ES}/LAN
Underlying Stack:
 TWICE Source code modified by Alcatel TITN ANSWARE for
   Transport and CLNP
Protocols and Profiles: 0066
   Session [ISO 8327:1987]
Date Registered: 03-DEC-93
Type of Registration and Expiration Date:
   PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-10.1	98.4	.2	98.6	

M-006   MHS

Supplier: Alcatel TITN Incorporated
                 12030 Sunrise Valley Drive
                 Reston, VA 22091
Contact: Sanjay Lokare
                 Tel: (510) 484-5674
                 Fax: (510) 484-4078
Test System Name, Release and Date:
    GENEPX400 Ver 2.6   28-JUN-92
    MOT Engine - Supervisor V2.2 (Apr 92)
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
    80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0026
        TP0/X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack:
    TWICE Source code modified by Alcatel TITN ANSWARE for
        Session Transport, CLNP, LLC1, X.25
Protocols and Profiles: 0056
    MHS-84
    MHS-84 [X.400:1984] {P2, P1, RTS}
Date Registered: 04-FEB-93
Type of Registration and Expiration Date:
        PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	67.2	14.9	82.1	
ATS:2-13.3	90.5	0	90.5	
ATS:2-13.4	94.2	2.6	96.8	

Supplier: National Computing Centre Limited
                 Oxford House, Oxford Road
                 Manchester M1 7ED United Kingdom
Contact: Peter Bird
                 Tel: +44 61 228 6333   Fax: +44 61 236 9877
                 Email: peter@ncc.co.uk
Test System Name, Release and Date:
    84mhs Test System, Version 1.0
    ITS Protocol Engine Rel 24   01-FEB-93
    OpenWindows 3.0; Registration for Session expires 01-MAY-94
Claimed Hardware and Operating System Platforms: 0187
    Sun 3 or Sun 4 Workstations
    SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0145
    Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0058   TP0/WAN
Underlying Stack:
    SunNET OSI 7.0(TP4-CLNS) + SunNET X.25 7.0(TP0)
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
Date Registered: 24-MAY-93
Type of Registration and Expiration Date:
        PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	97	0	97	
ATS:2-13.3	85	7	92	
ATS:2-13.4	81	0	81	
ATS:2-13.5	65	0	65	

Supplier: National Computing Centre Limited
                 Oxford House, Oxford Road
                 Manchester M1 7ED United Kingdom
Contact: Peter Bird   Tel: +44 61 228 6333
                 Fax: +44 61 236 9877   Email: peter@ncc.co.uk
Test System Name, Release and Date:
    88mhs Test System Ver 1.1   29-SEP-93
    Integrated Tool Set (ITS) protocol Engine Release 24 with
        patch 018 using OpenWindows 3.0
Claimed Hardware and Operating System Platforms: 0187
    Sun 3 or Sun 4 Workstations   SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0145
    Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE   From MOT ID:
Connectivity: 0114   TP4-CLNS/CLNP/LAN   TP0/X.25
Underlying Stack:
    SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0 (TP0)
Protocols and Profiles: 0091
    MHS-88/(ACSE)/(PRES)/(Session)
    MHS-88 MTA [X.400:1988]{P2,P1,RTSE}
    MHS-88 ACSE [ISO 8650:1988]{MH}
    MHS-88 Presentation [ISO 8823:1988]{MH}
    MHS-88 Session [ISO 8327:1987]
Date Registered: 13-APR-94
Type of Registration and Expiration Date:
        PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:3-22.1.2	39.2	23.8	63	PASS
ATS:3-22.2.1	88.9	0	88.9	PASS
ATS:3-22.3.1	55.6	24.4	80	PASS
ATS:3-22.4	86.3	2.4	88.7	PASS
ATS:3-22.5	81.2	12.2	93.4	PASS
ATS:3-22.6	78.2	12.9	91.1	PASS

Supplier: National Computing Centre Limited
                 Oxford House, Oxford Road
                 Manchester M1 7ED United Kingdom
Contact: Peter Bird   Tel: +44 61 228 6333
                 Fax: +44 61 236 9877   Email: peter@ncc.co.uk
Test System Name, Release and Date:
    84mhs   Version 1.0   01-FEB-93
    Additional connectivity for TP4-CLNS/CLNP/LAN. Works with
        OpenWindows 2.0 (not recommended) and OpenWindows 3.0.
Claimed Hardware and Operating System Platforms: 0187
    Sun 3 or Sun 4 Workstations   SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0220
    Sun SPARCstation 4/330 with SunOS 4.1.1
Base/Derived: UPDATE   From MOT ID:
Connectivity: 0004   TP4-CLNS/CLNP/LAN
Underlying Stack: SunNET OSI 7.0
Protocols and Profiles: 0045
    MHS-84/(Session)
    MHS-84 [X.400:1984] {P2, P1, RTS}
    MHS-84 Session [X.410:1984]
Date Registered: 24-FEB-94
Type of Registration and Expiration Date:
        PROV, GOSIP Version 2   01-JAN-00
    Session: PROV, GOSIP Version 2 until 01-MAY-94; RTS, P1, P2:
        PROV, GOSIP Version 2, until 01-JAN-00.
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-13.1	97	0	97	
ATS:2-13.2	85	7	92	
ATS:2-13.3	81	0	81	
ATS:2-13.5	65	0	65	

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED United Kingdom
Contact: Peter Bird   Tel: +44 61 228 6333
Fax: +44 61 236 9877 Email: peter@ncc.co.uk
Test System Name, Release and Date:
84mhs   1.1   01-OCT-93
Test Engine 24 with Patches 018, 019, 020, 023, and 033.
Claimed Hardware and Operating System Platforms: 0187
Sun 3 or Sun 4 Workstations   SunOS 4.1.1, 4.1.2 or 4.1.3
Tested Hardware and Operating System Platforms: 0220
Sun SPARCstation 4/330 with SunOS 4.1.1
Base/Derived: UPGRADE
From MOT ID:
Connectivity: 0058   TP0/WAN
Underlying Stack:
SunNET OSI 7.0; SunNET X.25 7.0
Protocols and Profiles: 0045
MHS-84/(Session)
MHS-84 [X.400:1984] {P2, P1, RTS}
MHS-84 Session [X.410:1984]
Date Registered: 20-JUL-94
Type of Registration and Expiration Date:
PROV, GOSIP Version 2   01-JAN-00
Reason for Removal: N/A

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	80.3	0	80.3	ETS affected by this upgrade.
ATS:2-13.3	76.5	12.7	89.2	ETS affected by this upgrade.
ATS:2-13.4	74.4	6	80.4	ETS affected by this upgrade.
ATS:2-13.5	58.9	5.9	64.8	ETS affected by this upgrade.

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED United Kingdom
Contact: Peter Bird
Tel: +44 61 228 6333   Fax: +44 61 236 9877
Email: peter@ncc.co.uk
Test System Name, Release and Date:
84mhs   Version 1.1   01-OCT-93
Additional connectivity for TP4-CLNS/CLNP/LAN. Requires Test
Engine 24 with Patches 018, 019, 020, 023 and 033.
Claimed Hardware and Operating System Platforms: 0233
H/W: Vendor claims all Sun 3 and 4 series
O/S: SunOS 4.1, 4.1.1, 4.1.2 and 4.1.3
Tested Hardware and Operating System Platforms: 0220
Sun SPARCstation 4/330 with SunOS 4.1.1
Base/Derived: UPDATE
From MOT ID:
Connectivity: 0082   TP4-CLNS/CLNP/LAN
Underlying Stack: SunNET OSI 7.0
Protocols and Profiles: 0045
MHS-84/(Session)
MHS-84 [X.400:1984] {P2, P1, RTS}
MHS-84 Session [X.410:1984]
Date Registered: 28-JUL-94
Type of Registration and Expiration Date:
PROV, GOSIP Version 2   01-JAN-00
Reason for Removal: N/A

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	80.3	0	80.3	None.
ATS:2-13.3	76.5	12.7	89.2	None.
ATS:2-13.4	74.4	6	80.4	None.
ATS:2-13.5	58.9	5.9	64.8	None.

M-007   FTAM

Supplier: Alcatel TITN Incorporated
12030 Sunrise Valley Drive
Reston, VA 22091
Contact: Sanjay Lokare
Tel: (510) 484-5674   Fax: (510) 484-4078
Test System Name, Release and Date:
XRTLE Ver 4.21   FTAM Ver 1.31   29-JAN-92
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0062
Session/TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
Session/TP4-CONS/X.25 PLP/X.25/RS-232C
Session/TP0/X.25 PLP/X.25/RS-232C
Underlying Stack: TWICE Source code modified by Alcatel TITN
ANSWARE for Session Transport, CLNP, LLC1, X.25
Protocols and Profiles: 0057
FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
Date Registered: 25-JAN-93
Type of Registration and Expiration Date:
PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-16.1	78	6	84	

Supplier: GSI-Danet Incorporated
1380 Old Freeport Road
Pittsburgh, PA 15238
Contact: Hans-Ludwig Heil
Tel: (412) 967-0834   Fax: (412) 963-6779
Test System Name, Release and Date:
OSITEST/FTAM   Version 2.6.3.2   01-MAR-93
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0149
SunSPARCstation 4/330 with SunOS 4.1.1
Base/Derived: BASE   From MOT ID:
Connectivity: 0109
TP4-CLNS/CLNP{ES}/LAN
TP0/WAN
Underlying Stack: SunNet OSI 7.0; SunNet X.25 7.0
Protocols and Profiles: 0073
FTAM/(ACSE)/(Presentation)/(Session)
FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988] {ASN.1}
FTAM Session [ISO 8327:1987] {R&R}
Date Registered: 28-JUN-93
Type of Registration and Expiration Date:
PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-16.10	81	0	81	
ATS:2-16.11	95	0	95	
ATS:2-16.12	90	0	90	
ATS:2-16.13	73	0	73	
ATS:2-16.2	91	0	91	
ATS:2-16.4	83	0	83	
ATS:2-16.6	90	0	90	
ATS:2-16.7	87	0	87	
ATS:2-16.8	93	0	93	
ATS:2-16.9	82	0	82	

Supplier: National Computing Centre, Ltd
               Oxford House, Oxford Road
               Manchester M17ED United Kingdom
Contact: Christian Goswani   Tel: +44 61 228-6333
               Fax: +44 61 236-9877   Email: chris@ncc.co.uk
Test System Name, Release and Date: FTAM   Version 3.1
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0145
    Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: UPGRADE From MOT ID:
Connectivity: 0110
         TP4-CLNS/CLNP{ES}/LAN
         TP4-CLNS/CLNP{ES}/WAN
         TP0/WAN
Underlying Stack: SunNet OSI 7.0; SunNET X.25 7.0
Protocols and Profiles: 0073   FTAM/(ACSE)/(Presentation)/(Session);
    FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}; FTAM ACSE
    [ISO 8650:1988]; FTAM Presentation [ISO 8823:1988] {ASN.1};
    FTAM Session [ISO 8327:1987] {R&R}
Date Registered: 30-JUN-94
Type of Registration and Expiration Date:
       PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
2-16.10	88.9	0	88.9	ETS affected by this report.
2-16.11	95	0	95	ETS affected by this report.
2-16.12	91.2	1.6	92.8	ETS affected by this report.
2-16.13	97	0	97	
2-16.2	94	0	94	
2-16.3	75	0	75	
2-16.6	90	0	90	
2-16.7	100	0	100	ETS affected by this report.
2-16.8	90	0	90	ETS affected by this report.
2-16.9	87.1	12.9	100	ETS affected by this report.

Supplier: National Computing Centre, Ltd.
               Oxford Road
               Manchester M17ED United Kingdom
Contact: Robert Clark   Tel: (510) 687-3002
Test System Name, Release and Date: FTAM   Version 3.0
Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0145
    Sun SPARCstation 4/330 with SunOS 4.1.2
Base/Derived: BASE From MOT ID:
Connectivity: 0110   TP4-CLNS/CLNP{ES}/LAN
       TP4-CLNS/CLNP{ES}/WAN TP0/WAN
Underlying Stack: SunNet OSI 7.0; SunNet X.25 7.0
Protocols and Profiles: 0073   FTAM/(ACSE)/(Presentation)/(Session)
    FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}; FTAM ACSE
    [ISO 8650:1988]; FTAM Presentation [ISO 8823:1988] {ASN.1};
    FTAM Session [ISO 8327:1987] {R&R}
Date Registered: 28-JUN-93
Type of Registration and Expiration Date:
       PROV, GOSIP Version 2   01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-16.10	95	0	95	
ATS:2-16.11	95	0	95	
ATS:2-16.12	94	0	94	
ATS:2-16.2	94	0	94	
ATS:2-16.3	75	0	75	
ATS:2-16.6	90	0	90	
ATS:2-16.7	96	0	96	
ATS:2-16.8	88	0	88	
ATS:2-16.9	100	0	100	
ATS:2-26.13	97	0	97	

M-008   ES-IS

Supplier: Alcatel TITN Test Center
               7011 Koll Center Parkway, Suite 200
               Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
         Tel: (510) 484-5674
         Fax: (510) 484-4078
Test System Name, Release and Date:
       XRTLE V5.20
       ES-IS(ES) V1.1
       01-JUN-93
Claimed Hardware and Operating System Platforms: 0186
    PC 386/486
    Interactive UNIX V2.2, V2.2.1, V3.0, V3.0.1
Tested Hardware and Operating System Platforms: 0061
    80386 PC, Interactive 386/iX UNIX Ver 2.2
Base/Derived: BASE
From MOT ID:
Connectivity: 0107
         LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack:
    TWICE software modified by Alcatel TITN ANSWARE
Protocols and Profiles: 0081
    ES-IS{ES} [ISO 9542:1988][SIA VER 3]
Date Registered: 01-OCT-93
Type of Registration and Expiration Date:
       PROV, GOSIP Version 2
       01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-18	87	8	95	

Supplier: National Computing Centre Limited
               Oxford House, Oxford Road
               Manchester M1 7ED United Kingdom
Contact: Peter Bird
         Tel: +44 61 228 6333
         Fax: +44 61 236 9877
         Email: peter@ncc.co.uk
Test System Name, Release and Date:
    NCC ES-IS(ES) Tester
    Version 1.1
    03-MAR-94
    NCC Test Engine Release 26 using Open Windows 3.0
Claimed Hardware and Operating System Platforms: 0225
       Sun 4 Workstations
       SunOS 4.1.1, 4.1.2, 4.1.3
Tested Hardware and Operating System Platforms: 0220
    Sun SPARCstation 4/330 with SunOS 4.1.1
Base/Derived: BASE
From MOT ID:
Connectivity: 0119
         LLC1{802.2}/MAC{802.3}/10Base2
Underlying Stack:
    SunNet OSI 7.0
Protocols and Profiles: 0081
    ES-IS{ES} [ISO 9542:1988][SIA VER 3]
Date Registered: 09-JUN-94
Type of Registration and Expiration Date:
       PROV, GOSIP Version 2
       01-JAN-00
Reason for Removal:

ATS Code	Auto %	Manual %	Total %	Comments
ATS:2-18	26.3	71.1	97.4	

M-009   Directory Services

Supplier: National Computing Centre Limited
                Oxford House, Oxford Road
                Manchester M1 7ED United Kingdom
Contact: Peter Bird
                Tel: +44 61 228 6333
           Fax: +44 61 236 9877
                Email: peter@ncc.co.uk
Test System Name, Release and Date:
    NCC500 Test System
    Release 2.0
     01-JUN-93
    NCC Test Engine Release 24 OpenWindows 3.0
Claimed Hardware and Operating System Platforms: 0219
    H/W: Sun 4 SPARCstation series
    Sun 3 series
    O/S: SunOS 4.1, 4.1.1/2/3
Tested Hardware and Operating System Platforms: 0149
    SunSPARCstation 4/330 with SunOS 4.1.1
Base/Derived: BASE
From MOT ID:
Connectivity: 0118
            TP0/X.25
            TP4/CLNP/802.3
            TP4/X.25
            TP2/X.25
Underlying Stack:
    SunNET OSI 7.0; SunNET X.25 7.0
Protocols and Profiles: 0087
    X.500-88 {DAP/DUA}/(ACSE&ROSE)/(Presentation)/(Session)
    X.500-88 DAP[CCITT X.500; ISO/IEC 9594:1990]{DUA}
    X.500-88 {DAP/DSA}/(ACSE&ROSE)/(Presentation)/(Session)
    X.500-88 DAP [CCITT X.500; ISO/IEC 9594:1990] {DSA}
    ROSE [ISO 9072:1989]
    ACSE [ISO 8650:1988]
    Presentation [ISO 8823:1988]
    Session [ISO 8327:1987]
Date Registered: 09-JUN-94
Type of Registration and Expiration Date:
        PROV, GOSIP Version 2
        01-JAN-00
Reason for Removal: N/A

ATS Code	Auto %	Manual %	Total %	Comments
ATS:3-23.1	83.6	.9	84.5	PASS
ATS:3-23.2.1	100	0	100	PASS
ATS:3-23.3.1	81	5.4	86.4	PASS
ATS:3-23.5.1	89.6	4	93.6	PASS
ATS:3-23.5.2	95.7	0	95.7	PASS

5.4.7 PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENTS REGISTER

PICS:1-13

Protocol: Message Handling System - 1984,
                    Reliable Transfer Server
                Profile P1, P2
GOSIP Version: 1
Expire Date:
Comments: None

Title: COS Stack Specification COS/AMH113

Organization: Corporation for Open Systems
                International Test Center
                    8260 Willow Oaks Corp Drive, Suite 700
                    Fairfax, VA 22031

Issue Date: 15-APR-92
Issue: Version 1.2
Comments: None

PICS:2-1

Protocol: X.25 Link Access Procedure - B

GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for X.25 Data Link Layer

Organization: Joint Interoperability Test Center
            ATTN: TCDBA, Bldg. # 57305
            Ft. Huachuca, AZ 85613-7020

Issue Date: 01-MAR-92
Issue:
Comments: None

PICS:2-10

Protocol: Session

GOSIP Version: 2
Expire Date:
Comments: If embedded, adjust requirements to conform to the
            application.

Title: PICS Proforma for basic connection oriented session

Organization: International Organization
            for Standardization (ISO)
                Case Postale 56
                CH-1211 Geneve 20 Switzerland

Issue Date: 22-OCT-92
Issue: ISO 8327-2
Comments: None

PICS:2-13.1

Protocol: Message Handling System - 1984,
      Reliable Transfer Server
          Profile P1, P2
GOSIP Version: 2
Expire Date:
Comments: None

Title: Corporation for Open Systems (COS)

Organization: Corporation for Open Systems International
        1750 Old Meadow Road
        McLean, VA 22102

Issue Date: 15-APR-92
Issue: Version 1.2
Comments: None

PICS:2-13.2

Protocol: Message Handling System - 1984, Session Protocol
GOSIP Version: 2
Expire Date:
Comments: None

Title: COS Stack Specification COS/AMH113

Organization: Corporation for Open Systems
        International Test Center
        8260 Willow Oaks Corp Drive, Suite 700
          Fairfax, VA 22031

Issue Date: 15-APR-92
Issue: Version 1.2
Comments: None

PICS:2-16.1

Protocol: High Level Data Link Control, Logical Access
Procedure B

GOSIP Version: 2
Expire Date:
Comments:

Title: TEST

Organization: Bull Information Systems, Incorporated
        13430 North Black Canyon Highway
        Phoenix, AZ 85029

Issue Date:
Issue:
Comments:

Title: TEST

Organization: Bull Information Systems, Incorporated
        13430 North Black Canyon Highway
        Phoenix, AZ 85029

Issue Date:
Issue:
Comments:

Title: PICS for FTAM

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 15-DEC-90
Issue: ISO 8571-5:1988
Comments: ISO/IEC SC6

Title: PICS for FTAM

Organization: International Organization for Standardization
          (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 15-DEC-90
Issue: ISO 8571-5:1988
Comments: ISO/IEC SC6

PICS:2-16.1

Protocol: File Transfer, Access, and Management

GOSIP Version: 2
Expire Date:
Comments: None

Title: TEST

Organization: Bull Information Systems, Incorporated
        13430 North Black Canyon Highway
        Phoenix, AZ 85029

Issue Date:
Issue:
Comments:

Title: TEST

Organization: Bull Information Systems, Incorporated
        13430 North Black Canyon Highway
        Phoenix, AZ 85029

Issue Date:
Issue:
Comments:

Title: PICS for FTAM

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 15-DEC-90
Issue: ISO 8571-5:1988
Comments: ISO/IEC SC6

Title: PICS for FTAM

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 15-DEC-90
Issue: ISO 8571-5:1988
Comments: ISO/IEC SC6

PICS:2-16.2

Protocol: Association Control Service Element
GOSIP Version: 2
Expire Date:
Comments: Adjust requirements to conform to the application

Title: PICS Proforma for Association Control Service Element

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 22-OCT-92
Issue: ISO 8650-2
Comments: None

PICS:2-16.3

Protocol: Presentation

GOSIP Version: 2
Expire Date:
Comments: Adjust requirements to conform to the application

Title: PICS Proforma for Presentation

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 22-OCT-92
Issue: ISO 8823-2
Comments: None

PICS:2-17.1

Protocol: X.500-88 Directory Access Protocol
GOSIP Version: 2
Expire Date:
Comments: None

Title: Directory Access Protocol PICS Proforma

Organization: Joint Interoperability Test Center
        ATTN: TCDBA, Bldg. # 57305
        Ft. Huachuca, AZ 85613-7020

Issue Date: 01-JUN-94
Issue: Draft; based on CCITT Recommendation X.581
Comments: None

PICS:2-17.2

Protocol: X.500-88 Directory System Protocol
GOSIP Version: 2
Expire Date:
Comments: None

Title: Directory System Protocol PICS Proforma

Organization: Joint Interoperability Test Center
        ATTN: TCDBA, Bldg. # 57305
        Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Draft under development; based on CCITT
Recommendation X.582
Comments: Date TBD

PICS:2-2

Protocol: X.25 Packet Layer Protocol
GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for X.25 Packet Layer

Organization: Joint Interoperability Test Center
        ATTN: TCDBA, Bldg. # 57305
        Ft. Huachuca, AZ 85613-7020

Issue Date: 01-MAR-92
Issue:
Comments: None

PICS:2-3.1

Protocol: End System to Intermediate System
GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for End System to Intermediate System

Organization: International Organization for Standardization (ISO)
          Case Postale 56
          CH-1211 Geneve 20 Switzerland
Issue Date: 15-AUG-88
Issue: ISO 9542
Comments: None

Title: Interim Profile Specific ICS (SIA June 1990)

Organization: Joint Interoperability Test Center
          ATTN: TCDBA, Bldg. # 57305
          Ft. Huachuca, AZ 85613-7020

Issue Date: 15-DEC-93
Issue: ---
Comments: None

PICS:2-7

Protocol: Connectionless Network Layer Protocol
GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for Connectionless Network Layer
Protocol

Organization: Joint Interoperability Test Center
          ATTN: TCDBA, Bldg. # 57305
          Ft. Huachuca, AZ 85613-7020

Issue Date: 01-MAR-92
Issue: ISO 8473
Comments: None

PICS:2-8.1

Protocol: Transport Class 0 & 4
GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for Transport Class 0 and 4 Protocols

Organization: Joint Interoperability Test Center
          ATTN: TCDBA, Bldg. # 57305
          Ft. Huachuca, AZ 85613-7020

Issue Date: 01-MAR-92
Issue: ISO 8073
Comments: None

PICS:2-8.2

Protocol: Transport Class 0, 2, & 4
GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for TRANSPORT Class 0, 2, and 4
Protocols

Organization: Joint Interoperability Test Center
          ATTN: TCDBA, Bldg. # 57305
          Ft. Huachuca, AZ 85613-7020

Issue Date: 01-JUN-93
Issue: ISO 8073:1988
Comments: Updated June 93 to include TP2

PICS:2-9

Protocol: Connectionless Transport
GOSIP Version: 2
Expire Date:
Comments: Voting Terminates on 29 Oct 1993 for ISO
8602:1987/DAM 1

Title: PICS Proforma for Connectionless Transport

Organization: International Organization for Standardization (ISO)
          Case Postale 56
          CH-1211 Geneve 20 Switzerland
Issue Date: 01-APR-93
Issue: ISO 8602:1987/DAM1:1993
Comments: None

PICS:3-22.1

Protocol: Message Handling System - 1988, P1 Profile
GOSIP Version: 3
Expire Date:
Comments: This is also known as ISO/IEC DISP 10611-3:1993(E)

Title: Message Handling Systems-Common Messaging-Part 3:
AMH11-
          Message Transfer(P1)

Organization: International Organization for Standardization (ISO)
          Case Postale 56
          CH-1211 Geneve 20 Switzerland
Issue Date: 31-JUL-93
Issue: ISO DISP 10611-3
Comments: None

PICS:3-22.2

Protocol: Message Handling System - 1988, P2 Profile
GOSIP Version: 3
Expire Date:
Comments: This is also known as pDISP AMH2-2: September 1993

Title: Message Handling Systems-Interpersonal Messaging-Part 2:
        AMH21-IPM Content

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland
Issue Date: 24-SEP-93
Issue: pDISP AMH2-2
Comments: None

PICS:3-22.3

Protocol: Message Handling Systems - 1988 {P3}
GOSIP Version: 3
Expire Date:
Comments: This is also known as ISO/IEC DISP 10611-4:1993(E)

Title: Message Handling Systems-Common Messaging-Part 4:
AMH12-MTS
        Access(P3)

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 31-JUL-93
Issue: ISO DISP 10611-4
Comments: None

PICS:3-22.4

Protocol: Message Handling Systems - 1988 {P7}
GOSIP Version: 3
Expire Date:
Comments: This is also known as ISO/IEC DISP 10611-5:1993(E)

Title: Message Handling Systems-Common Messaging-Part 5:
        AMH13-MS Access (P7)

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 31-JUL-93
Issue: ISO DISP 10611-5
Comments: None

Title: Message Handling Systems-Interpersonal Messaging-
        Part5:AMH24--IPM Requirements for Enhanced MS Access (P7)

Organization: International Organization for Standardization (ISO)
        Case Postale 56
        CH-1211 Geneve 20 Switzerland

Issue Date: 24-SEP-93
Issue: pDISP AMH2-5 (Suppl.)
Comments: None

PICS:3-22.5

Protocol: Reliable Transfer Service Element
GOSIP Version: 3
Expire Date:
Comments: Referenced by ISO/IEC DISP 10611-2:1993(E)

Title: PICS Proforma for RTSE Protocol

Organization: International Telecommunications Union-Information
        Services Department
        Place des Nations
        Geneva 20 1211 Switzerland

Issue Date: 10-SEP-92
Issue: Recommendation X.248
Comments: None

5.4.8 ABSTRACT TEST SUITES CONFORMANCE REGISTER

ATS:1-1

Protocol: HDLC LAP-B
              High Level Data Link Control, Logical Access Procedure
B

GOSIP Version: 1
Expire Date:
Comments:

Title: X.25-DTE Conformance Testing: Text for Data Link Layer
          Test Suite

Organization: ISO/IEC JTC1/SC2

Issue Date: 30-JUN-90
Issue: ISO/IEC DP 8882-2
Comments:

ATS:1-10

Protocol: Session
              Session

GOSIP Version: 1
Expire Date:
Comments:

Title: Session Abstract Test Suite; Volumes 1, 2 and 3

Organization: CTS-WAN
               USA
Issue Date: 01-SEP-88
Issue: CTS-WAN/T&S/ABS/SES/CS/1.0
Comments:

ATS:1-13

Protocol: MHS-84{RTS}
              Message Handling System - 1984, Reliable Transfer
Service
              Profile
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Title: MHS RTS Tests and Testing Guide

Organization: National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom
Issue Date: 01-APR-90
Issue: Issue 2
Comments:

ATS:1-14

Protocol: MHS-84{P1}
              Message Handling System - 1984, P1 Profile
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Title: MHS P1 Tests and Testing Guide

Organization: National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom
Issue Date: 01-APR-90
Issue: Issue 3
Comments:

ATS:1-15

Protocol: MHS-84{P2}
              Message Handling System - 1984, P2 Profile
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Title: MHS P2 Tests and Testing Guide

Organization: National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom
Issue Date: 01-APR-90
Issue: Issue 3
Comments:

ATS:1-16

Protocol: FTAM{T1,T2}/ACSE/Presentation
              File Transfer, Access, and Management: T1 and T2 Profiles,
              Association Control Service Element, and Presentation
GOSIP Version: 1
Expire Date:
Comments: T1 and T2 profiles from NIST; ACSE and Presentation
            from NCC.

Title: FTAM Abstract Test Suite for GOSIP Version 1

Organization: National Institute of Standards and Technology (NIST)
               Building 225, Room B151
               Gaithersburg, MD 20899

Issue Date: 01-AUG-90
Issue:
Comments:

Title: FTAM Tests and Testing Guide

Organization: National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom
Issue Date: 03-AUG-90
Issue: NCC/TPD - 89/016
Comments:

ATS:1-2

Protocol: X.25 PLP
              X.25 Packet Layer Protocol
GOSIP Version: 1
Expire Date:
Comments:

Title: DIS 8882-3 London Output.

Organization: ISO/IEC JTC1/SC2

Issue Date: 20-JUN-90
Issue: ISO/IEC JTC1/SC6/N5608 Revised
Comments:

ATS:1-3

Protocol: MAC & PLS [ISO 8802/3]
              Medium Access Control and Physical Layer Signaling [ISO
              8802/3]
GOSIP Version: 1
Expire Date:
Comments: Incorporates four test suites submitted by Corporation
              for Open Systems (COS) International, October 1989.

Title: 802.3 Draft Abstract Test Suite for GOSIP Version 1.

Organization: National Institute of Standards and Technology (NIST)
               Building 225, Room B151
               Gaithersburg, MD 20899

Issue Date: 01-AUG-90
Issue:
Comments:

ATS:1-4

Protocol: MAC & PLS [ISO 8802/4]
              Medium Access Control and Physical Layer Signaling [ISO
              8802/4]
GOSIP Version: 1
Expire Date:
Comments:

Title: 802.4 MAC Sublayer Conformance Test System Test Case
              Reference Guide.

Organization: Corporation for Open Systems
                  International Test Center
                  8260 Willow Oaks Corp Drive, Suite 700
                  Fairfax, VA 22031

Issue Date: 01-MAR-88
Issue: COS/TPD-88/008, Issue 1
Comments:

ATS:1-5

Protocol: MAC & PLS [ISO 8802/5]
              Medium Access Control and Physical Layer Signaling [ISO 8802/5]
GOSIP Version: 1
Expire Date:
Comments: No registered ATS

ATS:1-6

Protocol: LLC-1
              Logical Link Control Type 1

GOSIP Version: 1
Expire Date:
Comments:

Title: 802.2 LLC (Type 1) Abstract Test Suite Submission
              (extract from 802.3 10BASE5 Layer 2 Test System
              Results Analysis Guide - LLC Sublayer).
Organization: Corporation for Open Systems
                   International Test Center
                   8260 Willow Oaks Corp Drive, Suite 700
                   Fairfax, VA 22031

Issue Date: 01-AUG-90
Issue: Issue 1
Comments:

ATS:1-7

Protocol: CLNP{ES}
              Connectionless Network Protocol, End System
GOSIP Version: 1
Expire Date:
Comments:

Title: Internet Protocol Tests and Testing Guide for ISO 8473
              Connectionless Network Protocol Implementations.
Organization: National Computing Centre Limited
               Oxford Road
               Manchester M17ED United Kingdom
Issue Date: 01-JUL-90
Issue: NCC/TPD-90/003, Issue 2
Comments:

ATS:1-7.1

Protocol: CLNP{IS}
              Connectionless Network Protocol, Intermediate System
GOSIP Version: 1
Expire Date:
Comments:

Title: Interim Abstract Test Suite for CLNP Intermediate
              Systems Testing.

Organization: National Institute of Standards and Technology (NIST)
               Building 225, Room B151
               Gaithersburg, MD 20899

Issue Date: 30-OCT-90
Issue:
Comments:

ATS:1-8

Protocol: TP0
              Transport Protocol Class 0
GOSIP Version: 1
Expire Date:
Comments:

Title: ISO/OSI Transport Class 0 CTS-WAN Abstract Test Suite

Organization: National Computing Centre Limited
              Oxford Road
              Manchester M17ED United Kingdom
Issue Date: 13-OCT-88
Issue: CTS-WAN/T&S/ABS/TR0/CS/1.0, Rev 2.1
Comments:

ATS:1-9

Protocol: TP4
              Transport Protocol Class 4
GOSIP Version: 1
Expire Date:
Comments:

Title: Transport Class 4 Tests and Testing Guide for ISO 8073
              Transport Class 4 Implementations.

Organization: National Computing Centre Limited
              Oxford Road
              Manchester M17ED United Kingdom
Issue Date: 01-JUL-90
Issue: NCC/TPD - 90/002, Issue 2
Comments:

ATS:2-1

Protocol: HDLC LAP-B
              High Level Data Link Control, Logical Access Procedure
B
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: Information Technology-Telecommunications and
              Information Exchange Between Systems- X.25 DTE
              Conformance Testing- Part 2: Data Link Layer
              Conformance Test Suite
Organization: ISO/IEC JTC1/SC6
Issue Date: 20-JAN-92
Issue: ISO/IEC 8882-2:1992(E), First Edition
Comments:

Title: Defect Report to ISO/IEC 8882-2: 1992

Organization: ISO/IEC JTC1/SC6
Issue Date: 30-MAR-92
Issue: X3S3.4/92-54
Comments:

Title: Abstract Test Suite Addendum for X.25

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305

Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/x25-isdn/x25.w51

ATS:2-10.1
Protocol: Session
              Session
GOSIP Version: 2
Expire Date: 01-FEB-94
Comments: Superseded by ATS:2-10.2

Title: Session Abstract Test Suite, Volumes 1, 2, and 3

Organization: CTS-WAN

Issue Date: 01-SEP-88
Issue: CTS/WAN/T&S/ABS/SES/CS/1.0
Comments:

Title: Session CTS-WAN Abstract Test Suite, CTS2 Extension

Organization: Alcatel TITN Incorporated
              7011 Koll Center Parkway, Suite 200
              Pleasanton, CA 94566-3101

Issue Date: 19-MAR-91
Issue: Version 2.0
Comments:

Title: Abstract Test Suite Addendum for Session

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/atsaddenda/session/sess-01.w51

ATS:2-10.2

Protocol: Session
              Session
GOSIP Version: 2
Expire Date:
Comments:

Title: Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/T&S/ABS/SES/CS/2.1
Comments:

ATS:2-13.1

Protocol: MHS-84 Session
               Message Handling System - 1984, Session Protocol
GOSIP Version: 2
Expire Date: 01-FEB-94
Comments: This ATS has been superseded by ATS:2-13.5; defects
exist

Title: Abstract Session Test Suite DSE MHS

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 18-JAN-89
Issue: OSTC/MHS/ABS/SES/DSE/3.0, Version 3.0
Comments:

Title: Abstract Test Suit Addendum for MHS-84

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/addenda.ats/mhs-84/mhs84-01.w51

ATS:2-13.2

Protocol: MHS-84{RTS}
               Message Handling System - 1984, Reliable Transfer
Service
               Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: MHS RTS Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 01-JUL-91
Issue: OSTC/MHS/ABS/RTS/2.0
Comments:

Title: Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/addenda.ats/mhs-84/mhs84-02.w51

ATS:2-13.3

Protocol: MHS-84{P1}
               Message Handling System - 1984, P1 Profile
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: MHS Abstract Test Suite, P1 Protocol A/311 and A/3211

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 28-SEP-90
Issue: OSTC/MHS/ABS/P1/2.0
Comments:

Title: Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/addenda.ats/mhs-84/mhs84-03.w51

ATS:2-13.4

Protocol: MHS-84{P2}
               Message Handling System - 1984, P2 Profile
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: MHS Abstract Test Suite, P2

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 01-SEP-92
Issue: OSTC/MHS/ABS/P2/2.0
Comments:

Title: Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/addenda.ats/mhs-84/mhs84-04.w51

ATS:2-13.5

Protocol: MHS-84 Session
                    Message Handling System - 1984, Session Protocol
GOSIP Version: 2
Expire Date:
Comments: This ATS supersedes ATS:2-13.1

Title: ANNEX A - MHS '84 SPECIFIC PART

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 03-NOV-92
Issue: 2.0
Comments: This document is Annex A of document 2.

Title: Common Abstract Test Suite for the Session Protocol

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 03-NOV-92
Issue: 2.0
Comments: Merge this common part with Annex A to form the
full
         MHS-84 test suite.

ATS:2-16.1
Protocol: FTAM{T1}
                    File Transfer, Access, and Management; Simple File
                    Transfer Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: T1-A/111, Volume 1 (Responder Tests) and Volume 2
                    (Initiator Tests)

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 01-JAN-88
Issue: CTS-WAN/FTAM/ABS/FTAM-A111/1.0
Comments:

ATS:2-16.10

Protocol: FTAM Presentation
                    File Transfer, Access, and Management; Presentation
Protocol
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM Presentation Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 11-JAN-91
Issue: OSTC/FTAM/ABS/FTAM/PRES/5.1
Comments:

ATS:2-16.11

Protocol: FTAM Presentation ASN.1
                    File Transfer, Access, and Management; Presentation
                    Abstract Syntax Notation One
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM Presentation ASN.1 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 13-NOV-91
Issue: OSTC/FTAM/ABS/FTAM/PRES/ASN.1/BER/2.4
Comments:

ATS:2-16.12

Protocol: FTAM Session
                    File Transfer, Access, and Management; Session Protocol
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 17-SEP-91
Issue: OSTC/FTAM/ABS/FTAM/SES
Comments:

ATS:2-16.13

Protocol: FTAM Session R&R
                    File Transfer, Access, and Management; Session Restart
                    and Recovery
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM Session Restart and Recovery Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM/SES/R&R
Comments:

ATS:2-16.2

Protocol: FTAM{T1}
              File Transfer, Access, and Management; Simple File
              Transfer Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM A/111 (T1) Responder ATS and FTAM A/111
              (T1) Initiator ATS

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-APR-91
Issue: CTS-WAN/FTAM/ABS/FTAM-A111/2.0, Version 2.0,
         Volumes 1 and 2
Comments:

ATS:2-16.3

Protocol: FTAM{R&R}
              File Transfer, Access, and Management; Restart and
              Recovery Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

              Rue du Trone, 12
              B-1050 Brussels
              Belgium
Issue Date:
Issue: OSTC/FTAM/ABS/FTAM-A111 R&R/1.0
Comments:

ATS:2-16.4

Protocol: FTAM{R&R}
              File Transfer, Access, and Management; Restart and
Recovery
              Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 29-OCT-91
Issue: OSTC/FTAM/ABS/FTAM-A111 R&R\2.0
Comments:

ATS:2-16.5

Protocol: FTAM{M1}
              File Transfer, Access, and Management; Management Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM A/13 ATS

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-JAN-90
Issue: FTAM/ABS/FTAM-A13/1.0
Comments:

ATS:2-16.6

Protocol: FTAM{M1}
              File Transfer, Access, and Management; Management Profile
GOSIP Version: 2
Expire Date:
Comments:

Title: FTAM A/13 ATS, Version 2.0

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-AUG-91
Issue: FTAM/ABS/FTAM/A13/2.0
Comments:

ATS:2-16.7

Protocol: FTAM{T2}
              File Transfer, Access, and Management; Positional File
              Transfer Profile
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: FTAM A/112 Abstract Test Suite, Volume 1 (A/112
              Responder) and Volume 2 (A/112 Initiator)

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM-A/112
Comments:

Title: Abstract Test Suite Addendum for FTAM

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/ftam/ftam-07.w51

ATS:2-16.8

Protocol: FTAM{A1}
              File Transfer, Access, and Management; Simple File
Access
              Profile
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: FTAM A/122 Responder Abstact Test Suite (Volume 1)
              and FTAM A/122 Initator Abstract Test Suite (Volume 2)

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM-A/122
Comments:

Title: Abstract Test Suite Addendum for FTAM

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/ftam/ftam-08.w51

ATS:2-16.9

Protocol: FTAM ACSE
              File Transfer, Access, and Management; Association
Control
              Service Element
GOSIP Version: 2
Expire Date:
Comments: ATS Consists of a common part and a specific annex.

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
              CTS2-ACSE V2.02

Title: FTAM ACSE Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM/ACSE
Comments: This document is Annex D of Document 1. Without
              OSTC cover, document is identified as ACSE_CTS2_FTAM.

ATS:2-17

Protocol: VT
              Virtual Terminal
GOSIP Version: 2
Expire Date:
Comments: No registered ATS.

ATS:2-18

Protocol: ES-IS{ES}
              End System to Intermediate System in End System
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: ES/IS in ES Abstract Test Suite

Organization: Alcatel TITN Answare
              Aix-en-Provence France
Issue Date: 01-MAY-93
Issue: Version 1.1
Comments:

Title: Abstract Test Suite Addendum for End System to
              Intermediate System

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/atsaddenda/lan-esis/ats/esis

ATS:2-18.A

Protocol: ES-IS{ES}
              End System to Intermediate System in End System
GOSIP Version: 2
Expire Date:
Comments: JITC deficiencies noted against ATS:2-18.

Title: ES/IS in ES Abstract Test Suite Addendum

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date: 01-MAR-94
Issue: Version 1
Comments:

ATS:2-19

Protocol: CONS
              Connection Oriented Network Service

GOSIP Version: 2
Expire Date:
Comments: No registered ATS.

ATS:2-1A

Protocol: HDLC LAP-B
              High Level Data Link Control, Logical Access Procedure
B

GOSIP Version: 2
Expire Date:
Comments: This ATS consists of ATS:2-1 as modified by the
              documents below.

Title: Instructions to the Editor for the corrections of reported
              defects in ISO/IEC 8882-2 and 8882-3

Organization: ISO/IEC JTC1/SC6
              USA
Issue Date: 12-FEB-93
Issue: SC6 N 7988
Comments: To be used with Defect Reports referenced within.

ATS:2-2

Protocol: X.25 PLP
              X.25 Packet Layer Protocol
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: Information Technology-Telecommunications and
              Information Exchange Between Systems-X.25-DTE
              Conformance Testing-Part 3: Packet Layer
              Conformance Test Suite
Organization: ISO/IEC JTC1/SC2/WG2
              USA
Issue Date: 16-JAN-91
Issue: ISO/IEC 8882-3:1991(E), First Edition
Comments:

Title: Defect Report to ISO/IEC 8882-3:1991

Organization: ISO/IEC JTC1/SC2/WG2
              USA
Issue Date: 01-MAR-92
Issue: X3S3.7/92-49
Comments:

Title: Abstract Test Suite Addendum for X.25

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/x25.isdn/x25.w51

ATS:2-20

Protocol: TP2
              Transport Protocol Class 2
GOSIP Version: 2
Expire Date:
Comments: A revised version of this ATS is registered as
              ATS:2-20A; defects exist
Title: OSTC Abstract Test Suite, Transport Class 2

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 31-JAN-91
Issue: OSTC/T&S/ABS/TR2/CS/2.0
Comments:

Title: Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/transprt/tp2-
              jars.w51

ATS:2-20A

Protocol: TP2
              Transport Protocol Class 2
GOSIP Version: 2
Expire Date:
Comments: Minor revisions of ATS:2-20

Title: OSTC Abstract Test Suite, Transport Class 2

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date:
Issue: OSTC/T&S/ABS/TR2/CS/2.1
Comments:

ATS:2-21.1

Protocol: HDLC LAP-D
              High Level Data Link Control, Logical Access Procedure
D
GOSIP Version: 2
Expire Date:
Comments: Used in ISDN D Channel layer 2.

Title: Integrated Services Digital Network Conformance Testing;
              Layer 2 - Data Link Layer (LAPD); Part 1 - Basic Rate
              Interface, User Side
Organization: National Institute of Standards and Technology (NIST)

Issue Date: 01-SEP-93
Issue: NIST Special Publication 823-4
Comments: This publication describes the LAP-D ATS for ISDN
              D Channel Layer 2 as developed and approved by the ISDN
              Conformance Testing (ICOT) Working Group of the NIUF

ATS:2-2A

Protocol: X.25 PLP
              X.25 Packet Layer Protocol
GOSIP Version: 2
Expire Date:
Comments: This ATS consists of ATS:2-2 as modified by the
              documents below.

Title: Instructions to be Editor for the corrections of reported
              defects in ISO/IEC 8882-2 and 8882-3

Organization: ISO/IEC JTC1/SC6
Issue Date: 12-FEB-93
Issue: SC6 N 7988
Comments: To be used with Defect Reports referenced within.

ATS:2-3

Protocol: MAC & PLS [ISO 8802/3]
              Medium Access Control and Physical Layer Signaling [ISO
              8802/3]
GOSIP Version: 2
Expire Date:
Comments: Incorporates four test suites submitted by Corporation

              for Open Systems (COS) International in October 1989

Title: 802.3 Draft Abstract Test Suite for GOSIP Version 1

Organization: National Institute of Standards and Technology (NIST)
              Building 225, Room B151
              Gaithersburg, MD 20899

Issue Date: 01-AUG-90
Issue:
Comments:

ATS:2-4

Protocol: MAC & PLS [ISO 8802/4]
              Medium Access Control and Physical Layer Signaling [ISO
              8802/4]
GOSIP Version: 2
Expire Date:
Comments:

Title: 802.4 MAC Sublayer Conformance Test System Test Case
              Reference Guide
Organization: Corporation for Open Systems International Test
                  Center
              8260 Willow Oaks Corp Drive, Suite 700
              Fairfax, VA 22031

Issue Date: 01-MAR-88
Issue: COS/TPD-88/008, Issue 1
Comments:

ATS:2-5

Protocol: MAC & PLS [ISO 8802/5]
              Medium Access Control and Physical Layer Signaling [ISO
              8802/5]
GOSIP Version: 2
Expire Date:
Comments: No Registered ATS

ATS:2-6

Protocol: LLC-1
              Logical Link Control Type 1

GOSIP Version: 2
Expire Date:
Comments:

Title: 802.2 LLC (Type 1) Abstract Test Suite Submission
              (extract from 802.3 10BASE5 Layer 2 Test System
              Results Analysis Guide - LLC Sublayer)
Organization: Corporation for Open Systems International Test
Center
              8260 Willow Oaks Corp Drive, Suite 700
              Fairfax, VA 22031

Issue Date: 01-AUG-90
Issue: Issue 1
Comments:

ATS:2-7

Protocol: CLNP{ES}
              Connectionless Network Protocol, End System
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: Internet Protocol Tests and Testing Guide for ISO 8473
              Connectionless Network Protocol Implementations

Organization: National Computing Centre Limited
              Oxford Road
              Manchester M17ED United Kingdom
Issue Date: 01-JUL-90
Issue: NCC/TPD-90/003, Issue 2
Comments:

Title: Abstract Test Suite Addendum for Connectionless
Network
              Protocol (ES)

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/atsaddenda/lan-esis/ats/cenp

ATS:2-7.1

Protocol: CLNP{IS}
                    Connectionless Network Protocol, Intermediate System
GOSIP Version: 2
Expire Date:
Comments: Defects exist

Title: Interim Abstract Test Suite for CLNP Intermediate
                    Systems Testing

Organization: National Institute of Standards and Technology (NIST)
                    Building 225, Room B151
                    Gaithersburg, MD 20899

Issue Date: 30-OCT-90
Issue:
Comments:

Title: Abstract Test Suite Addendum for Connectionless
                    Network Protocol (IS)

Organization: Joint Interoperability Test Center
                    ATTN: TCDBA, Bldg. # 57305
                    Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
                    Address]; directory: public/atsaddenda/lan-esis/ats/cenp

ATS:2-8

Protocol: TP0
                    Transport Protocol Class 0
GOSIP Version: 2
Expire Date:
Comments: A revised version of this ATS is registered as
                    ATS:2-8A; defects exist

Title: OSTC Abstract Test Suite, Transport Class 0

Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date: 31-JAN-91
Issue: OSTC/T&S/ABS/TR0/CS/2.0
Comments:

Title: Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
                    ATTN: TCDBA, Bldg. # 57305
                    Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
                    Address]; directory: public/addenda.ats/transprt/tpo-
                    jars.w51

ATS:2-8A

Protocol: TP0
                    Transport Protocol Class 0
GOSIP Version: 2
Expire Date:
Comments: Minor revision of ATS 2-8

Title: OSTC Abstract Test Suite, Transport Class 0
Organization: Open Systems Testing Consortium Secretariat
                    Rue du Trone, 12
                    B-1050 Brussels Belgium
Issue Date:
Issue: OSTC/T&S/ABS/TRO/CS/2.1
Comments:

ATS:2-9.1

Protocol: TP4-CLNS
                    Transport Protocol Class 4 Over Connectionless Network
                    Service
GOSIP Version: 2
Expire Date:
Comments: New ATS under development by EWOS; defects exist

Title: Transport Class 4 over CLNS Abstract Test Suite
Organization: Alcatel TITN Answare
                    Aix-en-Provence France
Issue Date: 07-MAY-92
Issue: Version 2.2
Comments:

Title: Abstract Test Suite Addendum for Transport
Organization: Joint Interoperability Test Center
                    ATTN: TCDBA, Bldg. # 57305
                    Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
                    Address]; directory: public/addenda.ats/transprt/t4l-
                    jars.w51

ATS:2-9.2

Protocol: TP4
                    Transport Protocol Class 4
GOSIP Version: 2
Expire Date:
Comments: New ATS under development by EWOS; defects exist

Title: Transport Class 4 Tests and Testing Guide for ISO 8073
                    Transport Class 4 Implementations
Organization: National Computing Centre Limited
                    Oxford Road
                    Manchester M17ED United Kingdom
Issue Date: 01-MAY-92
Issue: ISG-DEV-008-10-004, Issue 5
Comments:

Title: Abstract Test Suite Addendum for Transport
Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/transprt/tp4-
              jars.w51

ATS:2-9.3

Protocol: TP4-CONS
              Transport Protocol Class 4 Over Connection Oriented
              Network Service
GOSIP Version: 2
Expire Date:
Comments: New ATS under development by EWOS; defects exist

Title: Transport Class 4 over CONS Abstract Test Suite

Organization: Alcatel TITN Answare
              Aix-en-Provence France
Issue Date: 30-SEP-91
Issue: Version 2.0
Comments:

Title: Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
              Address]; directory: public/addenda.ats/transprt/t4o-
              jars.w51

ATS:3-22.1.1

Protocol: MHS-88 Session
              Message Handling System - 1988, Session

GOSIP Version: 3
Expire Date: 01-FEB-94
Comments: Superseded by ATS:3-22.1.2

Title: MHS-88 DSE Session ATS

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 20-DEC-90
Issue: MHS-88/ABS/SES/DSE/1.0
Comments:

ATS:3-22.1.2

Protocol: MHS-88 Session
               Message Handling System - 1988, Session

GOSIP Version: 3
Expire Date:
Comments: Supersedes ATS:3-22.1.1; defects exists

Title: ANNEX B - MHS '88 SPECIFIC PART

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 03-NOV-92
Issue: 2.0
Comments: This document is Annex B of document 2.

Title: Common Abstract Test Suite for the Session Protocol

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 03-NOV-92
Issue: 2.0
Comments: Merge this common part with Annex B to form the
full
               MHS-88 test suite.

Title: Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/addenda.ats/mhs-88/mhs88-02.w51

ATS:3-22.2.1

Protocol: MHS-88 {PRES-MH}
               Message Handling System - 1988, Presentation - MH

GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 Presentation Abstract Test Suite MH (88) Part

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 20-DEC-91
Issue: OSTC/MHS-88/ABS/PRES/MH/1.0
Comments: This document is Annex A of document 2. Without
               OSTC cover, document is identified as
               CTS2/XMHS/MH/PRES/ATS/V3.1

Title: MHS '88 Presentation - Common Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 20-DEC-91
Issue: OSTC/MHS-88/ABS/PRES/ALL/1.0
Comments: Without OSTC cover, document is identified as
             CTS2/XMHS/ALL/PRES/ATS/V4.0 CTS2_XX_PRES

ATS:3-22.3.1

Protocol: MHS-88 {ACSE-MH}
             Message Handling System -1988, Association Control
             Service Element - MH
GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 ACSE Abstract Test Suite MH

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 04-DEC-91
Issue: OSTC/MHS-88/ABS/ACSE/MH/1.0
Comments: This is Annex C of Document 2. Without OSTC
cover,
             document is identified as
             ACSE_ATS_MHS_SPECIFIC_PART V2.03.

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
             CTS2-ACSE V2.02

ATS:3-22.3.2

Protocol: MHS-88 {ACSE-P3-UA}
             Message Handling System - 1988, Association Control
             Service Element-P3-UA
GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 ACSE Abstract Test Suite P3-UA

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 05-DEC-91
Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0
Comments: This is Annex B4 of Document 2. Without OSTC
             cover, document is identified as
             ACSE_ATS_RA_SPECIFIC_PART P3-UA V2.03

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
             CTS2-ACSE V2.02

ATS:3-22.3.3

Protocol: MHS-88 {ACSE-P3-MTA}
             Message Handling System - 1988, Association Control
             Service Element-P3-MTA
GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 ACSE Abstract Test Suite P3-MTA

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 05-DEC-91
Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0
Comments: This is Annex B5 of Document 2. Without OSTC
             cover, document is identified as
             ACSE_ATS_RA_SPECIFIC_PART P3-MTA V2.03

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
             CTS2-ACSE V2.02

ATS:3-22.3.4

Protocol: MHS-88 {ACSE-P3-MS}
             Message Handling System - 1988, Association Control
             Service Element-P3-MS
GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 ACSE Abstract Test Suite P3-MS

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 05-DEC-91
Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0
Comments: This is Annex B3 of Document 2. Without OSTC
             cover, document is identified as
             ACSE_ATS_RA_SPECIFIC PART P3-MS V2.03

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
               CTS2-ACSE V2.02

ATS:3-22.3.5

Protocol: MHS-88 {ACSE-P7-UA}
               Message Handling System - 1988, Association Control
               Service Element-P7-UA
GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 ACSE Abstract Test Suite P7-UA

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 05-DEC-91
Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0
Comments: This is Annex B2 of Document 2. Without OSTC
               cover, document is identified as
               ACSE_ATS_RA_SPECIFIC_PART P7-UA V2.03

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
               CTS2-ACSE V2.02

ATS:3-22.3.6

Protocol: MHS-88 {ACSE-P7-MS}
               Message Handling System - 1988, Association Control
               Service Element-P7-MS
GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.

Title: MHS '88 ACSE Abstract Test Suite P7-MS

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 05-DEC-91
Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0
Comments: This is Annex B1 of Document 2. Without OSTC
               cover, document is identified as
               ACSE_ATS_RA_SPECIFIC_PART P7-MS V2.03

Title: MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 05-SEP-91
Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0
Comments: Without OSTC cover, document is identified as
               CTS2-ACSE V2.02

ATS:3-22.4

Protocol: MHS-88 {RTSE}
               Message Handling System - 1988, Reliable Transfer
Service
               Element
GOSIP Version: 3
Expire Date:
Comments: Defects exist

Title: MHS '88 RTSE Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 15-OCT-91
Issue: OSTC/MHS-88/ABS/RTSE/1.0
Comments: Without OSTC cover, document is identified as
               CTS2/XMHS/MH/RTSE/ATS/V6.0

Title: Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center
              ATTN: TCDBA, Bldg. # 57305
              Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/addenda.ats/mhs-88/mhs88-14.w51

ATS:3-22.5

Protocol: MHS-88 {P1}
               Message Handling System - 1988, P1 Profile
GOSIP Version: 3
Expire Date:
Comments: Defects exist

Title: MHS '88 P1 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
              Rue du Trone, 12
              B-1050 Brussels Belgium
Issue Date: 08-JAN-92
Issue: OSTC/MHS-88/ABS/P1/1.0
Comments: Without OSTC cover, document is identified as
               CTS2/XMHS/MH/P1/ATS/V2.5.

Title: Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center
             ATTN: TCDBA, Bldg. # 57305
             Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
             Address]; directory: public/addenda.ats/mhs-88/mhs88-15.w51

ATS:3-22.6

Protocol: MHS-88 {P2}
             Message Handling System - 1988, P2 Profile

GOSIP Version: 3
Expire Date:
Comments: Defects exist

Title: MHS '88 P2 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 26-MAY-91
Issue: OSTC/MHS-88/ABS/P2/1.0
Comments: Without OSTC cover, this document is identified as
             CTS2/ XMHS/MH/P2/ATS/V3.2

Title: Abstract Test Suite Addendum fro MHS-88

Organization: Joint Interoperability Test Center
             ATTN: TCDBA, Bldg. # 57305
             Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
             Address]; directory: public/addenda.ats/mhs-88/mhs88-16.w51

ATS:3-22.7.1

Protocol: MHS-88 {P3-UA}
             Message Handling System - 1988, P3-UA Profile
GOSIP Version: 3
Expire Date:
Comments:

Title: MHS '88 P3-UA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 30-SEP-91
Issue: OSTC/MHS-88/ABS/P3-UA/1.0
Comments: Without OSTC cover, document is identified as
             CTS2/XMHS/RA/P3-UA/ATS/V4.0

ATS:3-22.7.2

Protocol: MHS-88 {P3-MTA}
             Message Handling System - 1988, P3-MTA Profile
GOSIP Version: 3
Expire Date:
Comments:

Title: MHS '88 P3-MTA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 18-SEP-91
Issue: OSTC/MHS-88/ABS/P3-MTA/1.0
Comments: Without OSTC cover, document is identified as
             CTS2/XMHS/RA/P3-MTA/ATS/V4.0

ATS:3-22.8.1

Protocol: MHS-88 {P7-UA}
             Message Handling System - 1988, P7-UA Profile
GOSIP Version: 3
Expire Date:
Comments:

Title: MHS '88 P7-UA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 18-SEP-91
Issue: OSTC/MHS-88/ABS/P7-UA/1.0
Comments: Without OSTC cover, document is identified as
             CTS2/XMHS/RA/P7-UA/ATS/V4.0

ATS:3-22.8.2

Protocol: MHS-88 {P7-MS}
             Message Handling System - 1988, P7-MS Profile

GOSIP Version: 3
Expire Date:
Comments:

Title: MHS '88 P7-MS Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 19-SEP-91
Issue: OSTC/MHS-88/ABS/P7-MS/1.0
Comments: Without OSTC cover, document is identified as
             CTS2/XMHS/RA/P7-MS/ATS/V4.0

ATS:3-23

Protocol: X.500-93
             Directory Services

GOSIP Version: 3
Expire Date:
Comments: No Registered ATS. NIST plans to establish a
             conformance testing infrastructure for Directory Services.

ATS:3-23.1

Protocol: X.500-88 SESSION
             X.500-88 Directory Services - Session

GOSIP Version: 3
Expire Date:
Comments: Refer to the ATS addendum for any applicable JARs

Title: Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 01-SEP-91
Issue: OSTC/DS/ABS/SESS/1.01 (PUB: 216)
Comments: Without OSTC cover, document is identified as CTS2
             Version: 2.3 and Amendment 01.

Title: Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
             ATTN: TCDBA, Bldg. # 57305
             Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
             Address]; directory: public/addenda.ats/x500-88/ds88-06

ATS:3-23.2.1

Protocol: X.500-88 PRESENTATION DS
             X.500-88 Directory Services - Presentation - DS

GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.
             Refer to the ATS addendum for any applicable JARs.
             Defects exist.

Title: Presentation Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 01-DEC-91
Issue: OSTC/DS/ABS/PRES/1.01 (PUB: 215)
Comments: Without OSTC cover, document is identified as CTS2
             Version: 4.0 and Amendment 01.

Title: Presentation Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date:
Issue: OSTC/ALL/ABS/PRES/1.0
Comments: Without OSTC cover, document is identified as CTS2
             Version: 4.0

Title: Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
             ATTN: TCDBA, Bldg. # 57305
             Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
             Address]; directory: public/atsaddenda/X500-88/DS88-04

ATS:3-23.3.1

Protocol: X.500-88 ACSE DS
             X.500-88 Directory Services - ACSE - DS

GOSIP Version: 3
Expire Date:
Comments: ATS consists of a specific annex and a common part.
             Refer to the ATS addendum for any applicable JARs.

Title: ACSE Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 01-DEC-91
Issue: OSTC/DS/ABS/ACSE/1.0 (PUB: 300)
Comments: Without OSTC cover, document is identified as CTS2
             Version 2.03.

Title: ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date:
Issue: OSTC/ALL/ABS/ACSE/1.0
Comments: Without OSTC cover, document is identified as CTS2
             Version: 2.02

ATS:3-23.4.1

Protocol: X.500-88 ROSE DS
             X.500-88 Directory Services - ROSE - DS

GOSIP Version: 3
Expire Date:
Comments: ATS consists of specific annex & common part. Note
that
             specific part does not contain any ATCs; however, the
DAP
             DUA/DSA ATSs do contain some ROSE test cases.

Title: ROSE Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat
             Rue du Trone, 12
             B-1050 Brussels Belgium
Issue Date: 01-SEP-90
Issue: OSTC/DS/ABS/ROSE/1.0 (PUB: 211)
Comments: Without OSTC cover, document is identified as CTS2
             Version 2.0

Title: ROSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 01-SEP-90
Issue: OSTC/ALL/ABS/ROSE/1.0
Comments: Without OSTC cover, document is identified as CTS2
               Version: 2.0

ATS:3-23.5.1

Protocol: X.500-88 DAP DSA
               X.500-88 Directory Services - DAP DSA

GOSIP Version: 3
Expire Date:
Comments: Refer to the ATS addendum for any applicable JARs;
               defects exist.

Title: DAP/DSA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 01-NOV-92
Issue: OSTC/DS/ABS/DSA/1.01 (PUB: 209)
Comments: None

Title: Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/atsaddenda/X500-88/DS88-01

ATS:3-23.5.2

Protocol: X.500-88 DAP DUA
               X.500-88 Directory Services - DAP DUA

GOSIP Version: 3
Expire Date:
Comments: Refer to the ATS addendum for any applicable JARs;
               defects exist.

Title: DAP/DUA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
               Rue du Trone, 12
               B-1050 Brussels Belgium
Issue Date: 01-SEP-93
Issue: OSTC/DS/ALL/ABS/DUA/1.03 (PUB: 208)
Comments: Without OSTC cover, document is identified as ITU-TS
          ATS4.1 DAP-DUA Manual, Version: 1.03. [X.500-88]

Title: Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
               ATTN: TCDBA, Bldg. # 57305
               Ft. Huachuca, AZ 85613-7020

Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
               Address]; directory: public/atsadenda/X500-88/DS88-02

ATS:3-24-1

Protocol: MMS
               Manufacturing Message Specification

GOSIP Version: 2
Expire Date:
Comments:

Title: MMS Provider Test Specifications

Organization: Consortium for Communication Testing, c/o ACERLI
               5 Voie Verte
               92260 Fontenay-aux-Roses France
Issue Date: 20-MAR-92
Issue: MMS Provider, Ver 2.1
Comments:

ATS:3-24-2

Protocol: MMS
               Manufacturing Message Specification

GOSIP Version: 2
Expire Date:
Comments:

Title: MMS Server/Client Test Suite Structure and Test Purposes

Organization: Consortium for Communication Testing, c/o ACERLI
               5 Voie Verte
               92260 Fontenay-aux-Roses France
Issue Date: 10-DEC-92
Issue: MMS Server/Client, Ver. 1.2
Comments:

ATS:3-25

Protocol: X.500-93 DS
               X.500-93 Directory Services

GOSIP Version: 3
Expire Date:
Comments: No Registered ATS. NIST plans to establish a
               conformance testing infrastructure for X.500-93 as soon
               as ATSs are available.

6. NIST POSIX CONFORMANCE TESTING

6.1   FIPS POSIX Standard

The National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL) has established a conformance testing program for the Federal Information Standard for POSIX (FIPS 151-1 and FIPS 151-2). FIPS 151-2 replaced FIPS 151-1 in its entirely on October 15, 1993. These standards are based on the IEEE POSIX Std. 1003.1-1988 (FIPS 151-1) and ISO/IEC 9945-1:1990 (FIPS 151-2). The testing model includes a Certification Authority, NVLAP Accredited Testing Laboratories, Clients and the official NIST POSIX Conformance Test Suites. The Certification Authority is the Director of NIST/CSL. The National Voluntary Laboratory Accreditation Program (NVLAP), part of NIST, accredits the testing laboratories. The test suites NIST-PCTS:151-1 and NIST-PCTS:151-2 were developed by NIST/CSL and are based on the test assertions specified by the IEEE Standard for Information Technology — Test Methods for Measuring Conformance to POSIX, IEEE Std. 1003.3-1991 (NIST-PCTS:151-1) and the IEEE Standard for Information Technology — Test Methods for Measuring conformance to POSIX.1, IEEE Std 2003.1-1992 (NIST-PCTS:151-2).

6.2   POSIX Test Procedures

There are Accredited POSIX Testing Laboratories (APTLs) accredited by NVLAP for using one or both test suites. NVLAP accreditation is renewable after one year, and identifies the specific testing procedures which the lab is authorized to run. The labs provide testing and analysis services to their clients and may forward the final test results to NIST/CSL for evaluation and subsequent issuance of a Certificate of Validation by NIST/CSL.

Testing policy documents and registers of validated products and accredited laboratories and available on an electronic mail (email) file server system. For most email systems, send an email message to posix@nist.gov (mail posix@nist.gov). The first line of the message should contain a command to send index (send index). After issuing the send command and a carriage return, end the email message. A listing of all of the available files will be returned via email to the requesting email address.

6.3   POSIX Test Suite

The NIST-PCTS:151-2 is available from NIST/CSL, POSIX Certification Authority, Building 225 Room B266, National Institute of Standards and Technology, Gaithersburg, MD 20899.

6.4   Validation Requirements

An accredited lab may submit a "clean" test report to NIST/CSL for evaluation in anticipation of a Certification of Validation being issued. "Clean" implies no test assertion failures. The Certificate of Validation will confirm that the stated product has been tested using the official NIST-PCTS and that the test results have been validated by NIST/CSL. The Certificate of Validation and the Test Results Summary contain information on the product tested, the implementation that was tested, the suppliers, conditional features that were tested, configuration details and the identification of the testing laboratory. These certificates are issued by NIST/CSL through the testing lab. Fees for services by the testing labs are established by the labs.

6.5 TESTING LABORATORIES
for NIST POSIX (FIPS 151-1)

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

ACCREDITED NIST POSIX TESTING LABORATORIES

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

BULL S.A. / Laboratoire POSIX
1 rue de Provence / BP208
38432 ECHIROLLES CEDEX (France)

Contact: Mr. Georges Chardon
Phone: (33) 76 39 75 93

DataFocus Incorporated
12450 Fair Lakes Circle, Suite 400
Fairfax, VA 22033-3831

Contact: Mr. Glen McPherson
Phone: 703-631-6770

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner
Phone: 415-323-9000

PERENNIAL
4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist
Phone: 408-748-2900

6.6 VALIDATED PRODUCTS
for NIST POSIX (FIPS 151-1)

NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-1) for the Federal Information Processing Standards Publication 151-1 (FIPS PUB 151-1). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

PRODUCT SUPPLIERS	REFERENCE FILE #	SYSTEM SUPPLIERS	REFERENCE FILE #
Amdahl Corporation	AMD5598	AGI Computer, Inc.	EVR0901
Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165	Alpha Systems Lab	SUN3403
		Amdahl Corporation	AMD5598
AT&T	ATT1566	Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165
BULL S.A.	BUL2387, BUL6051	AST Research, Inc.	SCO4102, UNV3055, UNV9180, USL2115, USL6259
Control Data Corporation	CDC1101, CDC5574, CDC5750		
CONVEX Computer Corporation	CON0202, CON2551, CON6027	AT&T	ATT1566, USL3610
Cray Research, Inc.	CRA2641	BULL S.A.	BUL2387, BUL6051
Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574	Compaq Computer Corporation	INT5154, LNX3076, SUN6859
		Control Data Corporation	CDC1101, CDC5574, CDC5750
Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7833, DEC7917, DEC8003, DEC9418, DEC9672	CONVEX Computer Corp.	CON0202, CON2551, CON6027
		Cray Research, Inc.	CRA2641
		Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574, SCO6748
Encore Computer Corporation	ENC6897		
ESIX/Everex Systems, Inc.	EVR0901, EVR9749	Dell Computer Corporation	SUN1065
Harris Corporation	HAR5240	Diamond Flower Incorporated	SCO3664, SCO8054
Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC0603, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185	Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7833, DEC7917, DEC8003, DEC9418, DEC9672
		Encore Computer Corporation	ENC6897
		ESIX/Everex Systems, Inc.	EVR9749
		Harris Corporation	HAR5240
		Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC0603, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185
Interactive Systems Corp.	INT5154		
Intergraph Corporation	INT4675		
International Business Machines, Inc.	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697	Intergraph Corporation	INT4675
		International Business Machines	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697
Lynx Real-Time Systems, Inc.	LNX3076		
Modular Computer Systems, Inc.	MOD4817	Modular Computer Systems, Inc.	MOD4817
Motorola Computer Group	MOT1086, MOT5618	Motorola Computer Group	MOT1086, MOT5618
NCR Corporation	NCR0554, NCR1448, NCR2047, NCR2805, NCR3061, NCR3331, NCR4518, NCR5533, NCR7380, NCR7549	NCR Corporation	NCR0554, NCR1448, NCR2047, NCR2805, NCR3061, NCR3331, NCR4518, NCR5533, NCR7380, NCR7549
NeXT Computer, Inc.	NXT0623	NeXT Compputer, Inc.	NXT0623
Pyramid Technology Corporation	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863	Pyramid Technology Corp.	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863
Santa Cruz Operation Inc.	SCO3664, SCO3832, SCO4102, SCO5199, SCO6748, SCO8054, SCO9875	RDI	SUN3402
		Sequent Computer Systems Inc.	SEC8754
Sequent Computer Systems Inc.	SEC8754	Silicon Graphics, Inc.	SGI5507, SGI9297
Silicon Graphics, Inc.	SGI5507, SGI9297	Sun Microsystems Corp.,	SUN0617, SUN1442, SUN2031, SUN2241, SUN2727, SUN2930, SUN3129, SUN3272, SUN4529, SUN5382, SUN5684, SUN5782, SUN5970, SUN6602, SUN6635, SUN7188, SUN7793, SUN8720, SUN9763
Sun Microsystems Computer Corp.	SUN1065, SUN1442, SUN2031, SUN2727, SUN2930, SUN3272, SUN3402, SUN5684, SUN5782, SUN5970, SUN6602, SUN7188, SUN7793		
SunSoft, Inc.	SUN0617, SUN2241, SUN3129, SUN3403, SUN4529, SUN5382, SUN6635, SUN6859, SUN8720, SUN9763	Unisys Corporation	SCO9875, UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080, UNV0528, UNV2014, UNV3978
Unisys Corporation	UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080		
Univel	UNV0528, UNV2014, UNV3055, UNV3978, UNV9180	Zenith Data Systems	SCO3832, SCO5199
UNIX System Laboratories	USL2115, USL3610, USL6259		

Reference File #: <u>AMD5598</u>
  Product Supplier: Amdahl Corporation
    Product Tested: UTS System Version: 4 Release: 1
  System Supplier: Amdahl Corporation
    System Hardware: 5995M Model: 4550
  C Compiler: Amdahl C Version: 1.5 Release: June, 1993
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 07/23/93

Reference File #: <u>APP2482</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
  System Supplier: Apple Computer Inc.
    System Hardware: Macintosh Model: IIfx
  C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 1/13/1991
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 05/24/91

Reference File #: <u>APP3355</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 3.0 Release: March 9, 1992
  System Supplier: Apple Computer Inc.
    System Hardware: Macintosh Model: Quadra 700
  C Compiler: A/UX native C compiler (cc) Ver: 1.23 Rel: Feb 9, 1992
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 04/16/92

Reference File #: <u>APP7204</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 3.0.1 Release: April 23, 1993
  System Supplier: Apple Computer Inc.
    System Hardware: Workgroup Server Model: 80
  C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: Apr 1, 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 06/24/93

Reference File #: <u>APP7224</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 3.0 Release: March 9, 1992
  System Supplier: Apple Computer Inc.
    System Hardware: Macintosh Model: Quadra 950
  C Compiler: A/UX native C compiler (cc) Ver: 1.23 Rel: Feb 9, 1992
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 05/14/92

Reference File #: <u>APP7235</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
  Supplier: Apple Computer Inc. Hardware: Macintosh Model: IIci
  C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 01/13/1991
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 05/24/91

Reference File #: <u>APP8616</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
  Supplier: Apple Computer Inc. Hardware: Macintosh Model: IIsi
  C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 01/13/1991
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 05/24/91

Reference File #: <u>APP9125</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 3.0 Release: March 9, 1992
  System Supplier: Apple Computer Inc.
    System Hardware: Macintosh Model: Quadra 700
  C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: April 1, 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 08/11/92

Reference File #: <u>APP9165</u>
  Product Supplier: Apple Computer Inc.
    Product Tested: A/UX Version: 3.0 Release: March 9, 1992
  System Supplier: Apple Computer Inc.
    System Hardware: Macintosh Model: Quadra 950
  C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: Apr 1, 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 08/11/92

Reference File #: <u>ATT1566</u>
  Product Supplier: AT&T
    Product Tested: AT&T UNIX System V Ver: Release 4 Rel: 4.0.3
  System Supplier: AT&T
    System Hardware: AT&T 3B2 R3 Series Model: 3B2/600 GR
  C Compiler: AT&T 3B2/RISC C Development System Version: 1.0
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0343 DataFocus Incorporated Date Issued: 11/06/91

Reference File #: <u>BUL2387</u>
  Product Supplier: BULL S.A.
    Product Tested: BOS Version: 2 Release: 1
  System Supplier: BULL S.A.
    System Hardware: DPX/2 Model: 200
  C Compiler: C Compiler Version: 72 Release: 1
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0373 BULL S.A./Laboratoire POSIX   Date Issued: 2/24/93

Reference File #: <u>BUL6051</u>
  Product Supplier: BULL S.A.
    Product Tested: BOS/X Version: 3 Release: 2
  System Supplier: BULL S.A.
    System Hardware: DPX/20 Model: 620
  C Compiler: BOS/X XLC C Compiler Version: 1 Release: 02
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0373 BULL S.A./Laboratoire POSIX   Date Issued: 1/22/93

Reference File #: <u>CDC1101</u>
  Product Supplier: Control Data Corporation
    Product Tested: EP/IX Version: 1.4.2 Release: November 27, 1991
  System Supplier: Control Data Corporation
    System Hardware: Control Data 4000 Model: 4680MP
  C Compiler: EP/IX C Language RISCompiler V: C 2.11 Rel: July 1990
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0356 Applications Software Incorporated Date Issued: 1/29/92

Reference File #: <u>CDC5574</u>
  Product Supplier: Control Data Corporation
    Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991
  System Supplier: Control Data Corporation
    System Hardware: Control Data 4000 Model: 4330-250
  C Compiler: EP/IX C Language RISCompiler Version: 2.11 Release:
  July 1990
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0356   Applications Software Incorporated Date Issued:
                                           05/24/91

Reference File #: <u>CDC5750</u>
  Product Supplier: Control Data Corporation
    Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991
  System Supplier: Control Data Corporation
    System Hardware: Control Data 4000 Model: 4680
  C Compiler: EP/IX C Language RISCompiler Version: 2.11 Release:
  07/16/1990
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0356   Applications Software Incorporated Date Issued:
                                           05/24/91

Reference File #: CON0202
  Product Supplier: CONVEX Computer Corporation
    Product Tested: ConvexOS Version: 10.1 Release: C200 Series
  System Supplier: CONVEX Computer Corporation
    System Hardware: C2 Model: C220
  C Compiler: CONVEX C Version: 4.3.2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CON2551
  Product Supplier: CONVEX Computer Corporation
    Product Tested: ConvexOS Version: 10.1 Release: C3800 Series
  System Supplier: CONVEX Computer Corporation
    System Hardware: C38 Model: C3810
  C Compiler: CONVEX C Version: 4.3.2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CON6027
  Product Supplier: CONVEX Computer Corporation
    Product Tested: ConvexOS Version: 10.1 Release: C3400 Series
  System Supplier: CONVEX Computer Corporation
    System Hardware: C34 Model: C3440
  C Compiler: CONVEX C Version: 4.3.2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CRA2641
  Product Supplier: Cray Research, Inc.
    Product Tested: UNICOS Version: 7.0.5.bu Release: 7.0
  System Supplier: Cray Research, Inc.
    System Hardware: Cray Y-MP Model: YMP2E/232-4
  C Compiler: Cray Standard C Compiler Release: 3.0.5 (5/20/93)
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus Incorporated Date Issued: 10/14/93

Reference File #: DEC0319
  Product Supplier: Digital Equipment Corporation
    Product Tested: DEC OSF/1 Version: 1.2 Release: March 1993
  System Supplier: Digital Equipment Corporation
    System Hardware: DEC/3000 Model: 500
  C Compiler: DEC OSF/1 for AXP C Compiler Version: 1 Release: March 1993
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 03/10/93

Reference File #: DEC0638
  Product Supplier: Digital Equipment Corporation
    Product Tested: VMS Version: 5 Release: 5 (with VMS POSIX, version 1.0)
  System Supplier: Digital Equipment Corporation
    System Hardware: VAXstation Model: 3100 M76
  C Compiler: VAX C Version: 3 Release: 2
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0343   DataFocus Incorporated Date Issued: 01/29/92

Reference File #: DEC4670
  Product Supplier: Digital Equipment Corporation
    Product Tested: The ULTRIX Operating System Version: 4.3A
    Release: July 1993
  System Supplier: Digital Equipment Corporation
    System Hardware: DECstation Model: 5000/150
  C Compiler: Mips C Compiler Version: 3.0
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 06/24/93

Reference File #: DEC5794
  Product Supplier: Digital Equipment Corporation
    Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
  System Supplier: Digital Equipment Corporation
    System Hardware: VAXstation II Model: GPX
  C Compiler: pcc Version: 4.2
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 06/17/91

Reference File #: DEC7386
  Product Supplier: Digital Equipment Corporation
    Product Tested: The ULTRIX Operating System Version: 4.3
    Release: August 1992
  System Supplier: Digital Equipment Corporation
    System Hardware: DECstation Model: 5000/200
  C Compiler: Mips C Compiler Version: 2.10
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 09/18/92

Reference File #: DEC7833
  Product Supplier: Digital Equipment Corporation
    Product Tested: OpenVMS VAX Version: 6 Release: 0 (with
    OpenVMS VAX POSIX, Version
      X1.2-35E)
  System Supplier: Digital Equipment Corporation
    System Hardware: VAXstation Model: 3100 M76
  C Compiler: VAX C Version: 3 Release: 2
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus Incorporated Date Issued: 10/14/93

Reference File #: DEC7917
  Product Supplier: Digital Equipment Corporation
    Product Tested: the ULTRIX Operating System Version: 4.2A
    Release: November 18, 1991
  System Supplier: Digital Equipment Corporation
    System Hardware: DECstation Model: 3100
  C Compiler: MIPS C Compiler Version: 2.10
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 12/06/91

Reference File #: DEC8003
  Product Supplier: Digital Equipment Corporation
    Product Tested: The ULTRIX Operating System Version: 4.3A
    Release: July 1993
  System Supplier: Digital Equipment Corporation
    System Hardware: DECstation Model: 5000/260
  C Compiler: Mips C Compiler Version: 3.0
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 06/24/93

Reference File #: DEC9418
  Product Supplier: Digital Equipment Corporation
    Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
  System Supplier: Digital Equipment Corporation
    System Hardware: DECstation Model: 3100
  C Compiler: MIPS C Compiler Version: 2.10
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 06/17/91

Reference File #: DEC9672
  Product Supplier: Digital Equipment Corporation
    Product Tested: The ULTRIX Operating System Version: 4.2A
    Release: December 1991
  System Supplier: Digital Equipment Corporation
    System Hardware: DECstation Model: 5000/200
  C Compiler: MIPS C Compiler Version: 2.10
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 02/12/92

Reference File #: DGC2542
  Product Supplier: Data General Corporation
    Product Tested: DG/UX Version: 5.4
  System Supplier: Data General Corporation
    System Hardware: AViion 5000 Model: AV/5240
  C Compiler: GNU C Compiler for AViiON Systems Version: 1.37.23
  PCTS: 151-1 Version: 1.1 - 07/01/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 09/10/91

Reference File #: DGC4767
  Product Supplier: Data General Corporation
    Product Tested: DG/UX Version: 5.4.2 Release: August 1992
  System Supplier: Data General Corporation
    System Hardware: AViion AV/530/4600 Model: AV/532
  C Compiler: GNU C Compiler for AViiON Systems Version: DG-2.2.3
  Release: August 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 09/09/92

Reference File #: DGC8016
  Product Supplier: Data General Corporation
    Product Tested: DG/UX Version: 5.4
  System Supplier: Data General Corporation
    System Hardware: AViion 400/4000 Model: AV/4100
  C Compiler: GNU C Compiler for AViiON Systems Version: 1.37.23
  PCTS: 151-1 Version: 1.1 - 07/01/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 09/10/91

Reference File #: DGC8703
  Product Supplier: Data General Corporation
    Product Tested: DG/UX Version: 5.4
  System Supplier: Data General Corporation
    System Hardware: AViion 400/4000 Model: AV/412
  C Compiler: GNU C Compiler for AViiON Systems Version: 1.37.23
  PCTS: 151-1 Version: 1.1 - 07/01/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 09/10/91

Reference File #: DGC9391
  Product Supplier: Data General Corporation
    Product Tested: DG/UX Version: 4.32
  System Supplier: Data General Corporation
    System Hardware: AViion AV/400/4000 Model: AV/410
  C Compiler: GNU C Compiler for AViion Sys Version: 1.37.23
  PCTS: 151-1 Version: 1.1 - 04/26/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 05/24/91

Reference File #: DGC9574
  Product Supplier: Data General Corporation
    Product Tested: DG/UX Version: 5.4.2 Release: August 1992
  System Supplier: Data General Corporation
    System Hardware: AViion AV/8000 Model: AV/6240
  C Compiler: GNU C Compiler for AViiON Systems Version: DG-2.2.3
  Release: August 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342   Mindcraft, Inc.   Date Issued: 11/03/92

Reference File #: ENC6897
  Product Supplier: Encore Computer Corporation
    Product Tested: UMAX V Release: 3.0.6
  System Supplier: Encore Computer Corporation
    System Hardware: 91 Series Model: 91-02427
  C Compiler: Green Hills Software, Inc. C   Release: 1.1
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0345 UniSoft Corporation   Date Issued: 3/12/92

Reference File #: EVR0901
  Product Supplier: ESIX/Everex Systems, Inc.
    Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0
  System Supplier: AGI Computer, Inc.
    System Hardware: AGI Model: 486/33
  C Compiler: ESIX ANSI C Compiler Version: 5.0
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus Incorporated Date Issued: 05/28/92

Reference File #: EVR9749
  Product Supplier: ESIX/Everex Systems, Inc.
    Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0
  System Supplier: ESIX/Everex Systems, Inc.
    System Hardware: Everex Model: 3000S 386/33
  C Compiler: ESIX ANSI C Compiler Version: 5.0
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus Incorporated Date Issued: 05/28/92

Reference File #: HAR5240
  Product Supplier: Harris Corporation
    Product Tested: CX/UX Release: 5.3
  System Supplier: Harris Corporation, Computer Systems Division
    System Hardware: Night Hawk Model: HN4802
  C Compiler: Harris C Compiler Release: 5.3
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 12/16/91

Reference File #: HPC0115
  Product Supplier: Hewlett-Packard Company
    Product Tested: HP-UX Version: 8.02 Release: 10/06/91
  System Supplier: Hewlett-Packard Company
    System Hardware: HP9000 Series 800 Model: 867S
  C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC0303
  Product Supplier: Hewlett-Packard Company
    Product Tested: HP-UX Version: 8.02 Release: 10/06/91
  System Supplier: Hewlett-Packard Company
    System Hardware: HP9000 Series 800 Model: 867s
  C Compiler: HP C Compiler Version: A 08.17 Release: 10/06/91
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date
  Issued: 09/09/92

Reference File #: HPC0535
  Product Supplier: Hewlett-Packard Company
    Product Tested: Domain/OS Version: 10.4 Release: April 1992
  System Supplier: Hewlett-Packard Company
    System Hardware: Domain Series 4000 Model: DN4500
  C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date
  Issued: 09/2/92

Reference File #: HPC0603
  Product Supplier: Hewlett-Packard Company
    Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
  System Supplier: Hewlett-Packard Company
    System Hardware: HP9000 Series 700 Model: 735
  C Compiler: HP C Compiler Version: HP92453-01 A.09.19 Release:
  December, 1992
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC1581
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.02 Release: 10/06/91
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 827S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC1992
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.08 Release: 11/23/92
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 827S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC2540
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.07 Release: December 1991
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 700 Model: 720
    C Compiler: HP C Compiler Version: A 08.71 Release: Dec 1991
    PCTS: 151-1 Version: 1.1 - 09/11/91
    APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date
    Issued: 01/29/92

Reference File #: HPC2698
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.02 Release: 10/06/91
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 817S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC2952
    Product Supplier: Hewlett-Packard Company
        Product Tested: Domain/OS Version: 10.4 Release: April 1992
    System Supplier: Hewlett-Packard Company
        System Hardware: Domain Series 400 Model: 433s
    C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date
    Issued: 09/2/92

Reference File #: HPC3574
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 9.0 Release: October 7, 1992
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 400 Model: 433S
    C Compiler: HP C Compiler Version: B2371B.08.00 Internal Revision
    70.2 Release: October 7, 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC3760
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.02 Release: 10/06/91
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 847S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC3897
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 9.0 Release: October 7, 1992
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 847S
    C Compiler: HP C Compiler Version: A 09.19 Release: Oct 7, 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: HPC4246
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.08 Release: 11/23/92
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 807S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC6304
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 700 Model: 720
    C Compiler: HP C Compiler Ver: HP92453-01 A.09.19 Rel: Dec, 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC6391
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.00 with PHCO_0800 (Patch)
        Release: January 1991, January 1992 (Patch)
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 400 Model: 400S
    C Compiler: HP C Compiler Version: B 08.00 Release: Dec. 1991
    PCTS: 151-1 Version: 1.1 - 01/22/92
    APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date
    Issued: 04/17/92

Reference File #: HPC6637
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.08 Release: 11/23/92
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 817S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC6906
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 700 Model: 715
    C Compiler: HP C Compiler Ver: HP92453-01 A.09.19 Rel: Dec. 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC7051
    Product Supplier: Hewlett-Packard Company
        Product Tested: HP-UX Version: 8.08 Release: 11/23/92
    System Supplier: Hewlett-Packard Company
        System Hardware: HP9000 Series 800 Model: 867S
    C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: <u>HPC7716</u>
   Product Supplier: Hewlett-Packard Company
      Product Tested: HP-UX Version: 8.08 Release: 11/23/92
   System Supplier: Hewlett-Packard Company
      System Hardware: HP9000 Series 800 Model: 847S
   C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: <u>HPC8098</u>
   Product Supplier: Hewlett-Packard Company
      Product Tested: HP-UX Version: 8.02 Release: 10/06/91
   System Supplier: Hewlett-Packard Company
      System Hardware: HP9000 Series 800 Model: 807S
   C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: <u>HPC9185</u>
   Product Supplier: Hewlett-Packard Company
      Product Tested: HP-UX Version: 8 Release: 5/6/91
   System Supplier: Hewlett-Packard Company
      System Hardware: HP9000 Series 800 Model: 835
   C Compiler: HP C Compiler Version: A 08.17 Release: 5/6/91
   PCTS: 151-1 Version: 1.1 - 09/11/91
   APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 12/18/91

Reference File #: <u>IBM0320</u>
   Product Supplier: International Business Machines Inc.
      Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
   System Supplier: International Business Machines Inc.
      System Hardware: RISC System/6000 Model: 220
   C Compiler: xlc Version: 1 Release: 2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342   Mindcraft, Inc.   Date Issued: 02/25/92

Reference File #: <u>IBM0458</u>
   Product Supplier: International Business Machines Inc.
      Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
   System Supplier: International Business Machines Inc.
      System Hardware: RISC System/6000 Model: 530H
   C Compiler: xlc Version: 1 Release: 2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342   Mindcraft, Inc.   Date Issued: 02/25/92

Reference File #: <u>IBM1344</u>
   Product Supplier: International Business Machines Inc.
      Product Tested: AIX Version: 3 Release: 1
   System Supplier: International Business Machines Inc.
      System Hardware: RISC System/6000 Model: 320
   C Compiler: xlc Version: 3 Release: 1
   PCTS: 151-1 Version: 1.1 - 04/26/91
   APTL: 0342   Mindcraft, Inc.   Date Issued: 05/24/91

Reference File #: <u>IBM2592</u>
   Product Supplier: International Business Machines Inc.
      Product Tested: AIX Version: 3 Release: 1
   System Supplier: International Business Machines Inc.
      System Hardware: RISC System/6000 Model: 530
   C Compiler: xlc Version: 3 Release: 1
   PCTS: 151-1 Version: 1.1 - 04/26/91
   APTL: 0342   Mindcraft, Inc.   Date Issued: 05/24/91

Reference File #: <u>IBM3697</u>
   Product Supplier: International Business Machines Inc.
      Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
   System Supplier: International Business Machines Inc.
      System Hardware: RISC System/6000 Model: 320
   C Compiler: xlc Version: 1 Release: 2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342   Mindcraft, Inc.   Date Issued: 02/25/92

Reference File #: <u>INT4675</u>
   Product Supplier: Intergraph Corporation
      Product Tested: CLIX Version: 06.02.01 Release: 3.1
   System Supplier: Intergraph Corporation
      System Hardware: Intergraph 6400 Series Workstation Model: 6450
   C Compiler: CLIPPER Advanced Optimizing C Compiler Version: 06.00.01.43 Release: 28-JAN-1992
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0343   DataFocus Incorporated Date Issued: 05/28/92

Reference File #: <u>INT5154</u>
   Product Supplier: Interactive Systems Corp.
      Product Tested: Interactive UNIX Operating System Version: 3.0 Release: 3.2
   System Supplier: Compaq Computer Corporation
      System Hardware: Compaq Model: System Pro
   C Compiler: Interactive UNIX Software Development System Ver: 3.0
   PCTS: 151-1 Version: 1.1 - 09/11/91
   APTL: 0345 UniSoft Corporation Date Issued: 10/16/91

Reference File #: <u>LNX3076</u>
   Product Supplier: Lynx Real-Time Systems, Inc.
      Product Tested: LynxOS Version: 2 Release: 2.2.0
   System Supplier: Compaq Computer Corporation
      System Hardware: ProLinea Model: 4/33
   C Compiler: gcc Version: 1.42 Release: September 19, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342   Mindcraft, Inc.   Date Issued: 10/14/93

Reference File #: <u>MOD4817</u>
   Product Supplier: Modular Computer Systems, Inc.
      Product Tested: REAL/IX Version: V.3 Release: D.0
   System Supplier: Modular Computer Systems, Inc.
      System Hardware: REAL/STAR Model: 1000
   C Compiler: GNU C Compiler for REAL/IX Systems Version: 1.37
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342   Mindcraft, Inc.   Date Issued: 05/05/92

Reference File #: <u>MOT1086</u>
   Product Supplier: Motorola Computer Group
      Product Tested: UNIX® System V/88 Release 4.0 Version: 3 Release: 4.0
   System Supplier: Motorola Computer Group
      System Hardware: Motorola Series 8000 Model: 8x40
   C Compiler: Software Development System Version: T302.0 Release: 12/2/92
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0343   DataFocus, Inc. Date Issued: 2/19/93

Reference File #: <u>MOT5618</u>
   Product Supplier: Motorola Computer Group
      Product Tested: UNIX® System V/88 Release 4.0 Version: 3 Release: 4.0
   System Supplier: Motorola Computer Group
      System Hardware: Motorola Series 8000 Model: 8x20
   C Compiler: Software Development System Ver: T302.0 Rel: 12/2/92
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0343   DataFocus, Inc. Date Issued: 2/19/93

Reference File #: <u>NCR0554</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR UNIX System V Ver: Release 4 Rel: 4.0.4
  System Supplier: NCR Corporation
    System Hardware: NCR 3B2 R3 Series Model: 3B2/1000 R3
    (Military ID: 3B2/600 GR)
  C Compiler: 3B2/RISC C Development System Release: 1.1
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 12/09/92

Reference File #: <u>NCR1448</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
    Version: SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3455
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 10/08/93

Reference File #: <u>NCR2047</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
    SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3447
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 06/26/92

Reference File #: <u>NCR2805</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
    SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3450
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 06/26/92

Reference File #: <u>NCR3061</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
    Version: SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3555
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 10/08/93

Reference File #: <u>NCR3331</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
    SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3345
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 06/26/92

Reference File #: <u>NCR4518</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
    SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3550
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 06/26/92

Reference File #: <u>NCR5533</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
    Version: SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3520
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 10/08/93

Reference File #: <u>NCR7380</u>
  Product Supplier: NCR Corporation
    Product Tested: UNIX® System V Release 4.0 Version 3.1
    Version: 3.1 Release: 4.0
  System Supplier: NCR Corporation
    System Hardware: StarServer E Model: Release 3
  C Compiler: Optimized C Compiler Version: 5.0
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 03/10/93

Reference File #: <u>NCR7549</u>
  Product Supplier: NCR Corporation
    Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
    Version: SVR4 Release: 2
  System Supplier: NCR Corporation
    System Hardware: System 3000 Model: 3525
  C Compiler: NCR C Development Toolkit Release: 2
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343   DataFocus, Inc.   Date Issued: 10/08/93

Reference File #: <u>NXT0623</u>
  Product Supplier: NeXT Computer, Inc.
    Product Tested: NEXTSTEP Version: 3.2 Release: November 5,
    1993 (with POSIX for NEXTSTEP version 1.0)
  System Supplier: NeXT Computer, Inc.
    System Hardware: NeXTstation Model: Color Turbo
  C Compiler: NEXTSTEP DEVELOPER Version: 3.2 Release:
  November 5, 1993
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/93

Reference File #: <u>PYR1271</u>
  Product Supplier: Pyramid Technology Corporation
    Product Tested: OSx Version: 5.1a-92a023 Release: 0422s
  System Supplier: Pyramid Technology Corporation
    System Hardware: MIServer Model: MIS-2T
  C Compiler: att_cc Version: 5.1
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 05/28/92

Reference File #: <u>PYR3067</u>
  Product Supplier: Pyramid Technology Corporation
    Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-
    92c027
  System Supplier: Pyramid Technology Corporation
    System Hardware: MIServer Model: 2S
  C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 09/09/92

Reference File #: <u>PYR3233</u>
  Product Supplier: Pyramid Technology Corporation
    Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-
    92c027
  System Supplier: Pyramid Technology Corporation
    System Hardware: MIServer Model: 12S
  C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 10/05/92

Reference File #: PYR4970
  Product Supplier: Pyramid Technology Corporation
    Product Tested: DataCenter/OSx Version: dcosx Rel: 1.1-92c027
  System Supplier: Pyramid Technology Corporation
    System Hardware: MIServer   Model: 4S
  C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 09/09/92

Reference File #: PYR9863
  Product Supplier: Pyramid Technology Corporation
    Product Tested: OSx Version: 5.1a Release: 0318t
  System Supplier: Pyramid Technology Corporation
    System Hardware: MIServer   Model: MIS-4T
  C Compiler: att_cc Version: 5.1
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 05/28/92

Reference File #: SCO3664
  Product Supplier: Santa Cruz Operation Inc.
    Product Tested: SCO Open Desktop Version: 2.0
  System Supplier: Diamond Flower Incorporated
    System Hardware: DFI   Model: 486SX/25
  C Compiler: Microsoft C Version: 5.1
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 11/02/92

Reference File #: SCO3832
  Product Supplier: Santa Cruz Operation Inc.
    Product Tested: SCO UNIX System V/386 Version: Release 3.2
  System Supplier: Zenith Data Systems
    System Hardware: Z Station   Model: 433DEh
  C Compiler: Microsoft C Version: 5.1
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 09/28/92

Reference File #: SCO4102
  Product Supplier: Santa Cruz Operation, Inc.
    Product Tested: SCO UNIX System V/386 Version: Release 3.2
  System Supplier: AST Research, Inc.
    System Hardware: Premium Series Model: 486/33
  C Compiler: Microsoft C Version: 5.1
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus, Inc.   Date Issued: 07/01/92

Reference File #: SCO5199
  Product Supplier: Santa Cruz Operation Inc.
    Product Tested: SCO UNIX System V/386 Version: 3.2
  System Supplier: Zenith Data Systems
    System Hardware: Zenith Data Systems Supersport Laptop Model:
    Supersport SX
  C Compiler: Microsoft C Version: 5.1
  PCTS: 151-1 Version: 1.1 - 07/01/91
  APTL: 0343 DataFocus Incorporated   Date Issued: 09/17/91

Reference File #: SCO6748
  Product Supplier: Santa Cruz Operation Inc.
    Product Tested: SCO UNIX System V/386 Version: 3.2 Release: 2
  System Supplier: Data General Corporation
    System Hardware: Walkabout/SX Model: G2763
  C Compiler: Microsoft C Optimizing Compiler Version: 5.1
  PCTS: 151-1 Version: 1.1 - 07/01/91
  APTL: 0342   Mindcraft, Inc.   Date Issued: 09/10/91

Reference File #: SCO8054
  Product Supplier: Santa Cruz Operation Inc.
    Product Tested: SCO Open Desktop Version: 2.0
  System Supplier: Diamond Flower Incorporated
    System Hardware: DFI   Model: 486/33
  C Compiler: Microsoft C Version: 5.1
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated   Date Issued: 11/02/92

Reference File #: SCO9875
  Product Supplier: Santa Cruz Operation Inc.
    Product Tested: SCO UNIX System V/386 Version: 3.2
  System Supplier: UNISYS Corporation
    System Hardware: PW^2 Advantage 3000 Series Model: 3256
  C Compiler: Microsoft C Version: 5.1
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0343 DataFocus Incorporated   Date Issued: 11/01/91

Reference File #: SEC8754
  Product Supplier: Sequent Computer Systems Inc.
    Product Tested: DYNIX/ptx Operating System Version: 1.3.0
  System Supplier: Sequent Computer Systems Inc.
    System Hardware: Symmetry Series II Model: S27
  C Compiler: C Tools Version: 1.12p
  PCTS: 151-1 Version: 1.1 - 09/11/91
  APTL: 0345 UniSoft Corporation Date Issued: 12/09/91

Reference File #: SGI5507
  Product Supplier: Silicon Graphics, Inc.
    Product Tested: IRIX Version: 4.0.5
  System Supplier: Silicon Graphics, Inc.
    System Hardware: IRIS Model: Crimson
  C Compiler: IRIS Development Option Version: 2.20
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0342 Mindcraft, Inc.   Date Issued: 06/15/92

Reference File #: SGI9297
  Product Supplier: Silicon Graphics, Inc.
    Product Tested: IRIX Version: 4.0.5
  System Supplier: Silicon Graphics, Inc.
    System Hardware: IRIS Model: Indigo
  C Compiler: IRIS Development Option Version: 2.20
  PCTS: 151-1 Version: 1.1 - 01/22/92
  APTL: 0342 Mindcraft, Inc.   Date Issued: 06/15/92

Reference File #: SUN0617
  Product Supplier: SunSoft, Inc.
    Product Tested: Solaris Version: 1.0.1 Release: PC
  System Supplier: Sun Microsystems Computer Corporation, Inc.
    System Hardware: SPARCstation IPC Model: GX
  C Compiler: Solaris C Compiler Version: 1.0.1 Release: Dec 4, 1991
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0343 DataFocus Incorporated Date Issued: 08/27/92

Reference File #: SUN1065
  Product Supplier: Sun Microsystems Computer Corporation, Inc.
    Product Tested: Solaris 2.1 for x86 Version: 2.1 Release: May
    1993
  System Supplier: Dell Computer Corporation
    System Hardware: 450 Model: DE
  C Compiler: ProCompiler C Version: 2.0.1 for x86 Rel: May 1993
  PCTS: 151-1 Version: 1.1 - 05/21/92
  APTL: 0342 Mindcraft, Inc.   Date Issued: 05/20/93

Reference File #: SUN1442

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.2 Release: May 28, 1993
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCstation LX Model: 4/30
   C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/28/93

Reference File #: SUN2031

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.1 Release: August 4, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SunWorkstation 4/30 Model: 4/30
   C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/92

Reference File #: SUN2241

   Product Supplier: SunSoft, Inc.
      Product Tested: Solaris Version: 2.0 Release: June 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCstation 2 Model: 4/75
   C Compiler: Sun C Compiler Version: 2.0 Release: 20 May 1992
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 07/02/92

Reference File #: SUN2727

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.1 Release: December 7, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCserver 10 Model: 42
   C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 1/07/93

Reference File #: SUN2930

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.2 Release: May 28, 1993
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCstation 2 Model: 4/75
   C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/28/93

Reference File #: SUN3129

   Product Supplier: SunSoft, Inc.
      Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2
   System Supplier: Compaq Computer Corporation
      System Hardware: Desk Pro Model: 386/20E
   C Compiler: Interactive Unix Software Development System Version: 3.0 Release: December 4, 1991
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0345 UniSoft Corporation Date Issued: 9/18/92

Reference File #: SUN3272

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.2 Release: May 28, 1993
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCenter 10 Model: 54
   C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/28/93

Reference File #: SUN3402

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.1 Release: August 4, 1992
   System Supplier: RDI
      System Hardware: BriteLite Model: IPX Color Laptop Workstation
   C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/16/92

Reference File #: SUN3403

   Product Supplier: SunSoft, Inc.
      Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2
   System Supplier: Alpha Systems Lab
      System Hardware: ASL486/33 Model: ASL433
   C Compiler: Interactive Unix Software Development System Version: 3.0
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0345 UniSoft Corporation Date Issued: 10/05/92

Reference File #: SUN4529

   Product Supplier: SunSoft, Inc.
      Product Tested: Solaris Version: 1.1 Version C Release: August 13, 1993
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCclassic Model: 4/15
   C Compiler: Solaris C Compiler Version: 1.1 Release: August 13, 1993
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/14/93

Reference File #: SUN5382

   Product Supplier: SunSoft, Inc.
      Product Tested: Solaris Version: 1.0.1 Release: PC
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCstation IPX Model: GX
   C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0343 DataFocus Incorporated   Date Issued: 09/02/92

Reference File #: SUN5684

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.1 Release: December 7, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCclassic Model: 4/15
   C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992

   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 1/07/93

Reference File #: SUN5782

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.1 Release: August 4, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCserver 10 Model: 30
   C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/92

Reference File #: SUN5970

   Product Supplier: Sun Microsystems Computer Corporation, Inc.
      Product Tested: Solaris Version: 2.1 Release: August 4, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
      System Hardware: SPARCserver 10 Model: 41
   C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/92

Reference File #: <u>SUN6602</u>
   Product Supplier: Sun Microsystems Computer Corporation, Inc.
     Product Tested: Solaris Version: 2.2 Release: May 28, 1993
   System Supplier: Sun Microsystems Computer Corporation, Inc.
     System Hardware: SPARCenter 2000 Model: 01
   C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/28/93

Reference File #: <u>SUN6635</u>
   Product Supplier: SunSoft, Inc.
     Product Tested: Solaris Version: 1.0.1 Release: PC
   System Supplier: Sun Microsystems Computer Corporation, Inc.
     System Hardware: SPARCserver 690 Model: 140
   C Compiler: Solaris C Compiler Ver 1.0.1 Release December 4, 1991
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 02/19/92

Reference File #: <u>SUN6859</u>
   Product Supplier: SunSoft, Inc.
     Product Tested: INTERACTIVE UNIX Operating System V/386
     Version: 4.0 Release: 3.2
   System Supplier: Compaq Computer Corporation
     System Hardware: DeskPro Model: 66M
   C Compiler: INTERACTIVE Software Development System Version: 4.0
   Release: May 1993
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 07/15/93

Reference File #: <u>SUN7188</u>
   Product Supplier: Sun Microsystems Computer Corporation, Inc.
     Product Tested: Solaris Version: 1.1 Release: August 24, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
     System Hardware: SPARCstation 10 Model: GX-30
   C Compiler: Solaris C Compiler Version: 1.1 Release: August 24, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 08/27/92

Reference File #: <u>SUN7793</u>
   Product Supplier: Sun Microsystems Computer Corporation, Inc.
     Product Tested: Solaris Version: 2.1 Release: August 4, 1992
   System Supplier: Sun Microsystems Computer Corporation, Inc.
     System Hardware: SPARCserver 10 Model: 42
   C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/92

Reference File #: <u>SUN8720</u>
   Product Supplier: SunSoft, Inc.
     Product Tested: Solaris Version: 1.1 Version C Release: August 13, 1993
   System Supplier: Sun Microsystems Computer Corporation, Inc.
     System Hardware: SPARCstation Model: 4/30
   C Compiler: Solaris C Compiler Version: 1.1 Release: Aug 13, 1993
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 10/14/93

Reference File #: <u>SUN9763</u>
   Product Supplier: SunSoft, Inc.
     Product Tested: Solaris Version: 1.0.1 Release: PC
   System Supplier: Sun Microsystems Computer Corporation, Inc.
     System Hardware: SPARCstation 2 Model: GX
   C Compiler: Solaris C Compiler Version: 1.0.1 Release: Dec 4, 1991
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 02/19/92

Reference File #: <u>UNI0505</u>
   Product Supplier: Unisys Corporation
     Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
   System Supplier: Unisys Corporation
     System Hardware: Unisys U 6000 Series Model: U 6000/15

   C Compiler: UNIX System V Release 4 Standard C Development
   Environment Version: 1.0.2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 04/30/92

Reference File #: <u>UNI1798</u>
   Product Supplier: Unisys Corporation
     Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
   System Supplier: Unisys Corporation
     System Hardware: Unisys U 6000 Series Model: U 6000/65

   C Compiler: UNIX System V Release 4 Standard C Development
   Environment Version: 1.0.2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/12/92

Reference File #: <u>UNI3690</u>
   Product Supplier: Unisys Corporation
     Product Tested: UNIX System V Release 4 Version: 1.1 Release: October 30, 1992
   System Supplier: Unisys Corporation
     System Hardware: Unisys U 6000 Series Model: U6000/65
   C Compiler: UNIX System V Release 4 Standard C Development
   Environment Version: 1.1
   PCTS: 151-1 Version: 1.1 - 05/21/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 09/28/92

Reference File #: <u>UNI5711</u>
   Product Supplier: Unisys Corporation
     Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
   System Supplier: Unisys Corporation
     System Hardware: Unisys U 6000 Series Model: U 6000/60

   C Compiler: UNIX System V Release 4 Standard C Development
   Environment Version: 1.0.2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/12/92

Reference File #: <u>UNI9063</u>
   Product Supplier: Unisys Corporation
     Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
   System Supplier: Unisys Corporation
     System Hardware: Unisys U 6000 Series Model: U 6000/35
   C Compiler: UNIX System V Release 4 Standard C Development
   Environment Version: 1.0.2
   PCTS: 151-1 Version: 1.1 - 01/22/92
   APTL: 0342 Mindcraft, Inc.   Date Issued: 05/12/92

Reference File #: <u>UNI9080</u>
   Product Supplier: Unisys Corporation
     Product Tested: CTOS II Version: 3 Release: 3
   System Supplier: Unisys Corporation
     System Hardware: Unisys B-Series Model: NGEN
   C Compiler: Microsoft C Version: 6.0
   PCTS: 151-1 Version: 1.1 - 07/01/91
   APTL: 0343 DataFocus Incorporated   Date Issued: 09/17/91

Reference File #: UNV0528
    Product Supplier: Univel
        Product Tested: UnixWare Version: 1.0 Release: June 1993
    System Supplier: Unisys Corporation
        System Hardware: Unisys U 6000/DT Series/PW^2 Advantage Plus
        Series Model: U6000/DT1 (MPE 4332)
    C Compiler: Optimizing C Compilation Sys Ver: 2.0 Rel: Nov 2, 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc.   Date Issued: 05/18/93

Reference File #: UNV2014
    Product Supplier: Univel
        Product Tested: UnixWare Version: 1.0 Release: June 1993
    System Supplier: Unisys Corporation
        System Hardware: Unisys U 6000/DT Series/PW^2 Advantage Plus
        Series Model: U6000/DT2 (MPE 4663)
    C Compiler: Optimizing C Compilation System Version: 2.0 Release:
Nov. 2, 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc.   Date Issued: 05/18/93

Reference File #: UNV3055
    Product Supplier: Univel
        Product Tested: UnixWare Application Server Version: 1.0
        Release: October 1992
    System Supplier: AST Research, Inc.
        System Hardware: Premium 486/33 Model: 3V
    C Compiler: UnixWare Software Development Kit Version: 1.0
Release: October 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/93

Reference File #: UNV3978
    Product Supplier: Univel
        Product Tested: UnixWare Version: 1.0 Release: June 1993
    System Supplier: Unisys Corporation
        System Hardware: Unisys PW^2 Advantage Series
          Model: MPI 4336)
    C Compiler: Optimizing C Compilation System Version: 2.0 Release:
Nov. 2, 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc.   Date Issued: 05/18/93

Reference File #: UNV9180
    Product Supplier: Univel
        Product Tested: UnixWare Personal Edition Version: 1.0 Release:
        October 1992
    System Supplier: AST Research, Inc.
        System Hardware: Premium 486/33 Model: 3V
    C Compiler: UnixWare Software Development Kit Version: 1.0
Release: October 1992
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0342 Mindcraft, Inc.   Date Issued: 10/08/93

Reference File #: USL2115
    Product Supplier: UNIX System Laboratories, Inc.
        Product Tested: UNIX System V Release 4 Version: 4 Release: 4.0
    System Supplier: AST Research, Inc.
        System Hardware: Premium Series Model: 486/33
    C Compiler: Standard C Development Environment Version: 5.0
    PCTS: 151-1 Version: 1.1 - 05/21/92
    APTL: 0343   DataFocus, Inc.   Date Issued: 07/01/92

6.7 TESTING LABORATORIES AND VALIDATED PRODUCTS
for NIST POSIX (FIPS 151-2)

ACCREDITED NIST POSIX TESTING LABORATORIES

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-2 (FIPS 151-2) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-2). FIPS 151-2 replaced FIPS 151-1 in its entirety on October 15, 1993. Only accredited laboratories may submit test reports to NIST/CSL for validation.

DataFocus Incorporated
12450 Fair Lakes Circle, Suite 400
Fairfax, VA 22033-3831

Contact: Mr. Matt Einseln
Phone: 703-631-6770

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner
Phone: 415-323-9000

PERENNIAL
4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist
Phone: 408-748-2900

NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-2) for the Federal Information Processing Standards 151-2 (FIPS PUB 151-2). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

Information in this listing includes product information on the implementation, system tested and type of implementation. FIPS 151-2 supports three types of implementations, native, hosted, and cooperating. A native implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel." A cooperating implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel but the load modules are not produceable on this implementation." A hosted implementation "referes to an implementation of POSIX.1 that is accomplished through interfaces from the POSIX.1 services to some alternate form of operating system kernel services."

Information is also provided on the following primary conditional features: General Terminal Interface devices (GTI), Mountable File System (MFS), Modem Control (MC), and Apppropriate Privileges (AP).

PRODUCT SUPPLIERS	REFERENCE FILE #
Amdahl Corporation	151-2AMD001
Cray Research Superservers, Inc.	151-2CRA001
Data General Corporation	151-2DGC001
Digital Equipment Corporation	151-2DEC001, 151-2DEC002, 151-2DEC003, 151-2DEC004, 151-2DEC005
Hewlett-Packard Company	151-2HPC001, 151-2HPC002, 151-2HPC003, 151-2HPC004, 151-2HPC005, 151-2HPC006, 151-2HPC007, 151-2HPC008
Intergraph Corporation	151-2INT001
International Business Machines Corp.	151-2IBM001, 151-2IBM002, 151-2IBM003, 151-2IBM004, 151-2IBM005, 151-2IBM006
Microsoft Corporation	151-2MSC001, 151-2MSC002, 151-2MSC003, 151-2MSC004, 151-2MSC005, 151-2MSC006
Novell, Inc.	151-2NOV001, 151-2NOV002
Sequent Computer Systems, Inc.	151-2SEQ001, 151-2SEQ002
SunSoft, Inc.	151-2SUN001, 151-2SUN002, 151-2SUN003, 151-2SUN004, 151-2SUN005, 151-2SUN006, 151-2SUN007, 151-2SUN008, 151-2SUN009, 151-2SUN010
Unisys Corporation	151-2UNI001, 151-2UNI002

SYSTEM SUPPLIERS	REFERENCE FILE #
Amdahl Corporation	151-2AMD001
AST Research, Inc.	151-2NOV001, 151-2NOV002
Axil Workstations	151-2SUN009, 151-2SUN010
Compaq	151-2MSC002, 151-2MSC004, 151-2SUN008
Cray Research Superservers, Inc.	151-2CRA001
Data General Corporation	151-2DGC001
Digital Equipment Corporation	151-2DEC001, 151-2DEC002, 151-2DEC003, 151-2DEC004, 151-2DEC005, 151-2MSC005, 151-2MSC006
Hewlett-Packard Company	151-2HPC001, 151-2HPC002, 151-2HPC003, 151-2HPC004, 151-2HPC005, 151-2HPC006, 151-2HPC007, 151-2HPC008
Intergraph Corporation	151-2INT001
International Business Machines Corp.	151-2IBM001, 151-2IBM002, 151-2IBM003, 151-2IBM004, 151-2IBM005, 151-2IBM006
Olivetti	151-2MSC001, 151-2MSC003
Sequent Computer Systems, Inc.	151-2SEQ001, 151-2SEQ002
Sun Microsystems Computer Corp., Inc.	151-2SUN001, 151-2SUN002, 151-2SUN003, 151-2SUN004, 151-2SUN005, 151-2SUN006, 151-2SUN007
Unisys Corporation	151-2UNI001, 151-2UNI002

151-2AMD001   Issued: 03/18/94   Type: Native
   Product Supplier: **Amdahl Corporation**
      Product: **UTS Version 4 Release 2**
      PCD: UTS 4.2 POSIX.1 and FIPS 151-2 Conformance Document
      GTI - NOT Provided by Product   MC - NOT Provided by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Amdahl Corporation
      Computer Hardware Product: Amdahl 5995M-4550
   C Compiler: Amdahl C, Version 2.0
   APTL: 0342   Mindcraft, Inc.

151-2CRA001   Issued: 09/07/94   Type: Native
   Product Supplier: **Cray Research Superservers, Inc.**
      Product: **Solaris 2.3 CRAY Version R Maintenance Update 1 with**
Patch 10647-03
      PCD: Cray Solaris 2.3 POSIX.1 Conformance Document
      GTI - NOT Provided by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Cray Research Superservers, Inc.
      Computer Hardware Product: Cray SUPERSERVER 6400
   C Compiler: Sun C Compiler Version 2.0.1, Released October 3, 1992

   APTL: 0342   Mindcraft, Inc.

151-2DEC001   Issued: 08/12/93   Type: Hosted
   Product Supplier: **Digital Equipment Corporation**
      Product: **POSIX for Open VMS AXP Version X1.0-041**
      PCD: POSIX 1003.1-1990 Conformance Document for Open VMS
      AXP (July 1993)
      GTI - NOT Provided by Product   MC - NOT Provided by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Digital Equipment Corporation
      Computer Hardware Product: DECsystem, Model 4000/610
   Host Operating System Supplier: Digital Equipment Corporation
      Host Operating System: OpenVMS AXP Version 1.5
   C Compiler: DEC C Version 1, Release 3
   APTL: 0343   DataFocus Incorporated

151-2DEC002   Issued: 02/28/94   Type: Native
   Product Supplier: **Digital Equipment Corporation**
      Product: **DEC OSF/1 Version 2.0, released March, 1994**
      PCD: DEC OSF/1 POSIX.1 Conformance Document (Order
      Number:AA-PS35B-TE)
      GTI - Supported by Product   MC - NOT Provided by Product
      MFS - Supported by Product AP - Supported by Product
   Computer Hardware Supplier: Digital Equipment Corporation
      Computer Hardware Product: DEC 3000, Model 400
   C Compiler: DEC OSF/1 C Compiler, Version 2.0
   APTL: 0342   Mindcraft, Inc.

151-2DEC003   Issued: 08/05/94   Type: Hosted
   Product Supplier: **Digital Equipment Corporation**
      Product: **POSIX for Open VMS AXP Version 2.0**
      PCD: POSIX 1003.1-1990 Conformance Document for Open VMS
      AXP, June 1994
      GTI - Not Provided by Product MC - Not Provided by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Digital Equipment Corporation
      Computer Hardware Product: DECsystem, Model 4000/610
   Host Operating System Supplier: Digital Equipment Corporation
      Host Operating System: OpenVMS AXP, Version 6.1
   C Compiler: DEC C for OpenVMS AXP Version 4.0
   APTL: 0343   DataFocus Incorporated

151-2DEC004   Issued: 08/05/94   Type: Hosted
   Product Supplier: **Digital Equipment Corporation**
      Product: **POSIX for Open VMS VAX, Version 2.0**
      PCD: POSIX 1003.1-1990 Conformance Document for Open VMS AXP,
      June 1994
      GTI - Not Provided by Product   MC - Not Provided by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Digital Equipment Corporation
      Computer Hardware Product: DECsystem, Model 4000-500
   Host Operating System Supplier: Digital Equipment Corporation
      Host Operating System: OpenVMS VAX, Version 6.1
   C Compiler: DEC C for OpenVMS VAX Version 4.0
   APTL: 0343   DataFocus Incorporated

151-2DEC005   Issued: 08/17/94   Type: Native
   Product Supplier: **Digital Equipment Corporation**
      Product: **DEC OSF/1 Version 3.0, released August, 1994**
      PCD: DEC OSF/1 POSIX.1 Conformance Document (Order Number:AA-
      PS35C-TE)
      GTI - Supported by Product   MC - Not Provided by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Digital Equipment Corporation
      Computer Hardware Product: DEC 2100 model A500MP
   C Compiler: DEC OSF/1 C Compiler, Version 3.0
   APTL: 0342   Mindcraft, Inc.

151-2DGC001   Issued: 04/12/94   Type: Native
   Product Supplier: **Data General Corporation**
      Product: **DG/US 5.4 Release 3.00 MU01**
      PCD: POSIX.1 Conformance Document for the DG/UX™ System Revision
      04, March 1994
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Data General Corporation Corporation
      Computer Hardware Product: Data General AViiON AV8500 Model
      G70595
   C Compiler: gcc 2.4.5.6
   APTL: 0342   Mindcraft, Inc.

151-2HPC001   Issued: 05/12/94   Type: Native
   Product Supplier: **Hewlett-Packard Company**
      Product: **HP-UX Release 9.09 with patches PHCO_3869, PHCO_4152,**
      and PHKL_4149
      PCD: POSIX Conformance Document, HP 9000 Computers, Third
      Edition, 1994. HP Part Number B2355-90034
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Hewlett-Packard Company
      Computer Hardware Product: Series 9000 Model 755
   C Compiler: HP C Compiler Version A.09.33
   APTL: 0342   Mindcraft, Inc.

151-2HPC002   Issued: 05/12/94   Type: Native
   Product Supplier: **Hewlett-Packard Company**
      Product: **HP-UX Release 9.09 with patches PHCO_3869, PHCO_4152,**
      and PHKL_4149
      PCD: POSIX Conformance Document, HP 9000 Computers, Third
      Edition, 1994. HP Part Number B2355-90034
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
   Computer Hardware Supplier: Hewlett-Packard Company
      Computer Hardware Product: Series 9000 Model 725
   C Compiler: HP C Compiler Version A.09.33
   APTL: 0342   Mindcraft, Inc.

151-2HPC003 Issued: 06/01/94 Type: Native
  Product Supplier: **Hewlett-Packard Company**
    Product: **HP-UX Release 9.05 with patches PHKL_4110, and PHNE_4111**
    PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90049
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: Hewlett-Packard Company
    Computer Hardware Product: Series 9000 Model 735
  C Compiler: HP C Compiler Version A.09.33
  APTL: 0342 Mindcraft, Inc.

151-2HPC004 Issued: 06/01/94 Type: Native
  Product Supplier: **Hewlett-Packard Company**
    Product: **HP-UX Release 9.05 with patches PHKL_4110, and PHNE_4111**
    PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90049
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: Hewlett-Packard Company
    Computer Hardware Product: Series 9000 Model 725
  C Compiler: HP C Compiler Version A.09.33
  APTL: 0342 Mindcraft, Inc.

151-2HPC005 Issued: 07/01/94 Type: Native
  Product Supplier: **Hewlett-Packard Company**
    Product: **HP-UX 10.00.S1**
    PCD: POSIX Conformance Document, HP 9000 Computers, Fourth Edition, 1994. HP Part Number B2355-90049
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: Hewlett-Packard Company
    Computer Hardware Product: Series 9000 Model 770
  C Compiler: HP C Compiler Version X.10.23
  APTL: 0342 Mindcraft, Inc.

151-2HPC006 Issued: 07/01/94 Type: Native
  Product Supplier: **Hewlett-Packard Company**
    Product: **HP-UX 10.00.S1**
    PCD: POSIX Conformance Document, HP 9000 Computers, Fourth Edition, 1994. HP Part Number B2355-90049
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: Hewlett-Packard Company
    Computer Hardware Product: Series 9000 Model 712
  C Compiler: HP C Compiler Version X.10.23
  APTL: 0342 Mindcraft, Inc.

151-2HPC007 Issued: 07/01/94 Type: Native
  Product Supplier: **Hewlett-Packard Company**
    Product: **HP-UX 10.09.S1**
    PCD: POSIX Conformance Document, HP 9000 Computers, Fourth Edition, 1994. as modified by POSIX Conformance Document, HP-UX Compartment Mode Workstation Addendum, HP 9000 Computers, First Edition, 1994.
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: Hewlett-Packard Company
    Computer Hardware Product: Series 9000 Model 712
  C Compiler: HP C Compiler Version X.10.18
  APTL: 0342 Mindcraft, Inc.

151-2HPC008 Issued: 07/01/94 Type: Native
  Product Supplier: **Hewlett-Packard Company**
    Product: **HP-UX 10.09.S1**
    PCD: POSIX Conformance Document, HP 9000 Computers, Fourth Edition, 1994. as modified by POSIX Conformance Document, HP-U: Compartment Mode Workstation Addendum, HP 9000 Computers, Firs Edition, 1994.
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: Hewlett-Packard Company
    Computer Hardware Product: Series 9000 Model 770
  C Compiler: HP C Compiler Version X.10.18
  APTL: 0342 Mindcraft, Inc.

151-2IBM001 Issued: 03/08/94 Type: Native
  Product Supplier: **International Business Machines Corporation**
    Product: **MVS/ESA 4.3 OpenEdition¯ 1.0**
    PCD: OpenEdition MVS POSIX.1 Conformance Document, Documer Number SC23-3011-00
      GTI - NOT Provided by Product   MC - NOT Provided by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: International Business Machines Corporatic
    Computer Hardware Product: ES/9000-570
  C Compiler: IBM SAA AD/Cycle® C/370 Version 1 Release 2
  APTL: 0342 Mindcraft, Inc.

151-2IBM002 Issued: 02/17/94 Type: Native
  Product Supplier: **International Business Machines Corporation**
    Product: **AIX Version 3.2.5 for RISC System/6000 with PTF: U423984, U424399, U424507, U424590, U425456, U424587, U425984, U425988, U425997, U42600 U426014, U425858**
    PCD: AIX Version 3.2 POSIX Conformance Document
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: International Business Machines Corporatic
    Computer Hardware Product: RISC System/6000, Model 590
  C Compiler: XLC Version 1, Release 3
  APTL: 0342 Mindcraft, Inc.

151-2IBM003 Issued: 02/17/94 Type: Native
  Product Supplier: **International Business Machines Corporation**
    Product: **AIX Version 3.2.5 for RISC System/6000 with PTF: U423984, U424399, U424507, U424590, U425456, U424587, U425984, U425988, U425997, U42600 U426014, U425858**
    PCD: AIX Version 3.2 POSIX Conformance Document
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: International Business Machines Corporatic
    Computer Hardware Product: RISC System/6000, Model 250
  C Compiler: XLC Version 1, Release 3
  APTL: 0342 Mindcraft, Inc.

151-2IBM004 Issued: 02/17/94 Type: Native
  Product Supplier: **International Business Machines Corporation**
    Product: **AIX Version 3.2.5 for RISC System/6000 with PTF: U423984, U424399, U424507, U424590, U425456, U424587, U425984, U425988, U425997, U42600 U426014, U425858**
    PCD: AIX Version 3.2 POSIX Conformance Document
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
  Computer Hardware Supplier: International Business Machines Corporatic
    Computer Hardware Product: RISC System/6000, Model 360
  C Compiler: XLC Version 1, Release 3
  APTL: 0342 Mindcraft, Inc.

151-2IBM005   Issued: 04/29/94   Type: Native
    Product Supplier: **International Business Machines Corporation**
        Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**
        U423984, U424399, U425456, U425984, U425988,
            U425997, U426001, U426014, U427208, U427727, U427892
        PCD: AIX Version 3.2 POSIX Conformance Document, part number
        GC23-2159-02, Third Edition
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: International Business Machines
    Corporation
        Computer Hardware Product: RISC System/6000, Model 230
    C Compiler: XLC Version 1, Release 3
    APTL: 0342   Mindcraft, Inc.

151-2IBM006   Issued: 04/29/94   Type: Native
    Product Supplier: **International Business Machines Corporation**
        Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**
        U423984, U424399, U425456, U425984, U425988,
            U425997, U426001, U426014, U427208, U427727, U427892
        PCD: AIX Version 3.2 POSIX Conformance Document, part number
        GC23-2159-02, Third Edition
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: International Business Machines
    Corporation
        Computer Hardware Product: RISC System/6000, Model 570
    C Compiler: XLC Version 1, Release 3
    APTL: 0342   Mindcraft, Inc.

151-2INT001   Issued: 07/08/94   Type: Native
    Product Supplier: **Intergraph Corporation**
        Product: **CLIX UNIXBOOT, Version 07.05.17.00, Release 22-FEB-**
        1994
        PCD: CLIX POSIX Conformance Document, July 1994
        GTI - Supported by Product   MC - NOT Provided by Product
        MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Intergraph Corporation
        Computer Hardware Product: Intergraph 2800 Series Workstation,
        Model 2830
    C Compiler: CLIPPER Advanced Optimizing C Compiler, Version
    07.05.01.61, Release 03-MAR-1994
    APTL: 0343   DataFocus Incorporated

151-2MSC001   Issued: 04/12/94   Type: Cooperating Hosted
    Product Supplier: **Microsoft Corporation**
        Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**
        PCD: Microsoft Windows NT POSIX Subsystem POSIX
        Conformance Document
        GTI - NOT Provided by Product MC - NOT Provided by Product
        MFS - NOT Provided by Product AP - NOT Provided by Product
    Computer Hardware Supplier: Olivetti
    Computer Hardware Product: M700-10
    Host & Development Operating System Supplier: Microsoft Corp
        Host & Development Operating System: Windows NT Version 3.1
    C Compiler: Microsoft® C Centaur Optimizing Compiler Version
    8.00.081
    APTL: 0342   Mindcraft, Inc.

151-2MSC002   Issued: 04/12/94   Type: Cooperating Hosted
    Product Supplier: **Microsoft Corporation**
        Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**
        PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance
        Document
        GTI - NOT Provided by Product   MC - NOT Provided by Product
        MFS - NOT Provided by Product   AP - NOT Provided by Product
    Computer Hardware Supplier: Compaq
    Computer Hardware Product: Deskpro 4/66i
    Host & Development Operating System Supplier: Microsoft Corporation
        Host & Development Operating System: Windows NT Version 3.1
    C Compiler: Visual C++ for Windows and Windows NT, 32-bit Edition,
    Version 1.00.
    APTL: 0342   Mindcraft, Inc.

151-2MSC003   Issued: 04/12/94   Type: Cooperating Hosted
    Product Supplier: **Microsoft Corporation**
        Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**
        PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance
        Document
        GTI - NOT Provided by Product   MC - NOT Provided by Product
        MFS - NOT Provided by Product   AP - NOT Provided by Product
    Computer Hardware Supplier: Olivetti
    Computer Hardware Product: M700-10
    Host & Development Operating System Supplier: Microsoft Corporation
        Host & Development Operating System: Windows NT Advanced Server
        Version 3.1
    C Compiler: Microsoft® C Centaur Optimizing Compiler Version 8.00.081
    APTL: 0342   Mindcraft, Inc.

151-2MSC004   Issued: 04/12/94   Type: Cooperating Hosted
    Product Supplier: **Microsoft Corporation**
        Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**
        PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance
        Document
        GTI - NOT Provided by Product   MC - NOT Provided by Product
        MFS - NOT Provided by Product   AP - NOT Provided by Product
    Computer Hardware Supplier: Compaq
    Computer Hardware Product: Deskpro 4/66i
    Host & Development Operating System Supplier: Microsoft Corporation
        Host & Development Operating System: Microsoft Windows NT
        Advanced Server Version 3.1
    C Compiler: Visual C++ for Windows and Windows NT, 32-bit Edition,
    Version 1.00.
    APTL: 0342   Mindcraft, Inc.

151-2MSC005   Issued: 05/12/94   Type: Cooperating Hosted
    Product Supplier: **Microsoft Corporation**
        Product: **Microsoft® Windows NT™ POSIX Subsystem Version 3.1**
        PCD: Microsoft® Windows NT™ POSIX Subsystem POSIX Conformance
        Document
        GTI - NOT Provided by Product   MC - NOT Provided by Product
        MFS - NOT Provided by Product   AP - NOT Provided by Product
    Computer Hardware Supplier: Digital Equipment Corporation
    Computer Hardware Product: DECpc AXP/150
    Host & Development Operating System Supplier: Microsoft Corp
        Host & Development Operating System: Microsoft® Windows NT™
        Version 3.1
    C Compiler: Microsoft® C/C++ Optimizing Compiler Version 8.00.9B
    APTL: 0342   Mindcraft, Inc.

151-2MSC006 Issued: 05/12/94   Type: Cooperating Hosted
Product Supplier: **Microsoft Corporation**
   Product: **Microsoft® Windows NT˜ POSIX Subsystem Version 3.1**
   PCD: Microsoft® Windows NT˜ POSIX Subsystem POSIX Conformance Document
      GTI - **NOT** Provided by Product   MC - **NOT** Provided by Product
      MFS - **NOT** Provided by Product   AP - **NOT** Provided by Product
Computer Hardware Supplier: Digital Equipment Corporation
Computer Hardware Product: DECpc AXP/150
Host & Development Operating System Supplier: Microsoft Corp
   Host & Development Operating System: Microsoft® Windows NT™ Advanced Server Version 3.1
C Compiler: Microsoft® C/C++ Optimizing Compiler Version 8.00.9B
APTL: 0342   Mindcraft, Inc.

151-2NOV001 Issued: 05/03/94   Type: Native
Product Supplier: **Novell, Inc.**
   Product: **UnixWare˜ Application Server Version 1.1 with UnixWare Update 1.1.1 and PTF604**
   PCD: UnixWare˜ Programmer's Guide: POSIX.1 Conformance (First Edition)
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: AST Research, Inc.
Computer Hardware Product: Premium 486/33 model 3V
C Compiler: UnixWare˜ SDK/Personal Utilities Version 1.1
APTL: 0342   Mindcraft, Inc.

151-2NOV002 Issued: 05/03/94   Type: Native
Product Supplier: **Novell, Inc.**
   Product: **UnixWare˜ Personal Edition Version 1.1 with UnixWare Update 1.1.1 and PTF604**
   PCD: UnixWare˜ Programmer's Guide: POSIX.1 Conformance (First Edition)
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: AST Research, Inc.
Computer Hardware Product: Premium 486/33 model 3V
C Compiler: UnixWare˜ SDK/Personal Utilities Version 1.1
APTL: 0342   Mindcraft, Inc.

151-2SEQ001 Issued: 04/12/94   Type: Native
Product Supplier: **Sequent Computer Systems Inc.**
   Product: **DYNIX/ptx Version 4.0.0**
   PCD: DYNIX/ptx POSIX.1 Conformance Specification Part Number 1003-49622-04
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sequent Computer Systems Inc.
Computer Hardware Product: Sequent Symmetry Systems SE20
C Compiler: ptx/C (Version 4.0.0)
APTL: 0342   Mindcraft, Inc.

151-2SEQ002 Issued: 04/12/94   Type: Native
Product Supplier: **Sequent Computer Systems Inc.**
   Product: **DYNIX/ptx Version 2.1.1**
   PCD: DYNIX/ptx POSIX.1 Conformance Specification Part Number 1003-49622-03a
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sequent Computer Systems Inc.
Computer Hardware Product: Sequent Symmetry Systems SE60
C Compiler: ptx/C (Version 2.1.1)
APTL: 0342   Mindcraft, Inc.

151-2SUN001 Issued: 12/23/93   Type: Native
Product Supplier: **SunSoft, Inc.**
   Product: **Solaris 2.3 with patch 101294-01**
   PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.
   Part No: 801-5263-10
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sun Microsystems Computer Corporation Inc.
Computer Hardware Product: SPARCcenter 2000, model 2204
C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
APTL: 0342   Mindcraft, Inc.

151-2SUN002 Issued: 12/23/93   Type: Native
Product Supplier: **SunSoft, Inc.**
   Product: **Solaris 2.3 with patch 101294-01**
   PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.
   Part No: 801-5263-10
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sun Microsystems Computer Corporation Inc.
Computer Hardware Product: SPARCstation 10SX, model 40
C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
APTL: 0342   Mindcraft, Inc.

151-2SUN003 Issued: 12/23/93   Type: Native
Product Supplier: **SunSoft, Inc.**
   Product: **Solaris 2.3 with patch 101294-01**
   PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX
   Part No: 801-5263-10
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sun Microsystems Computer Corporation Inc.
Computer Hardware Product: SPARCstation 10, model 52
C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
APTL: 0342   Mindcraft, Inc.

151-2SUN004 Issued: 12/23/93   Type: Native
Product Supplier: **SunSoft, Inc.**
   Product: **Solaris 2.3 with patch 101294-01**
   PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX
   Part No: 801-5263-10
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sun Microsystems Computer Corporation Inc.
Computer Hardware Product: SPARCserver 670MP, model 54
C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
APTL: 0342   Mindcraft, Inc.

151-2SUN005 Issued: 3/30/94   Type: Native
Product Supplier: **SunSoft, Inc.**
   Product: **Solaris 2.3 Edition II with patch 101294-01 and 101498-(**
   PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX
   Part No: 801-5263-11
      GTI - Supported by Product   MC - Supported by Product
      MFS - Supported by Product   AP - Supported by Product
Computer Hardware Supplier: Sun Microsystems Computer Corporatic Inc.
Computer Hardware Product: SPARCstation 5
C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
APTL: 0342   Mindcraft, Inc.

151-2SUN006   Issued: 3/30/94   Type: Native
    Product Supplier: **SunSoft, Inc.**
        Product: **Solaris 2.3 Edition II**
        PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:
        POSIX.1 Part No: 801-5263-11
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Sun Microsystems Computer
    Corporation, Inc.
    Computer Hardware Product: SPARCstation Voyager
    C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
    APTL: 0342   Mindcraft, Inc.

151-2SUN007   Issued: 3/30/94   Type: Native
    Product Supplier: **SunSoft, Inc.**
        Product: **Solaris 2.3 Release with patches 101294-01, 101318-
        27, and 101493-01**
        PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:
        POSIX.1 Part No: 801-5263-11
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Sun Microsystems Computer
    Corporation, Inc.
    Computer Hardware Product: SPARCstation 20, Model 502
    C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
    APTL: 0342   Mindcraft, Inc.

151-2SUN008   Issued: 9/07/94   Type: Native
    Product Supplier: **SunSoft, Inc.**
        Product: **The INTERACTIVE UNIX Operating System, Version 4.1**

        PCD: INTERACTIVE UNIX System V/386 Release 3.2 Standards
        Conformance Guide, June, 1994
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Compaq
    Computer Hardware Product: Proliant 2000 Model 5/66-1
    C Compiler: LPI C Version 2.0
    APTL: 0342   Mindcraft, Inc.

151-2SUN009   Issued: 9/07/94   Type: Native
    Product Supplier: **SunSoft, Inc.**
        Product: **Solaris 2.3 with patch 101294-01**
        PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:
        POSIX.1 Part No: 801-5263-11
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Axil Workstations
    Computer Hardware Product: Axil model 220 Professional
    C Compiler: gcc version cygnus-2.3.3
    APTL: 0342   Mindcraft, Inc.

151-2SUN010   Issued: 9/07/94   Type: Native
    Product Supplier: **SunSoft, Inc.**
        Product: **Solaris 2.3 with patch 101294-01**
        PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1
        Part No: 801-5263-11
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Axil Workstations
    Computer Hardware Product: Axil model 311-4.0
    C Compiler: gcc version cygnus-2.3.3
    APTL: 0342   Mindcraft, Inc.

151-2UNI001   Issued: 12/02/93   Type: Native
    Product Supplier: **Unisys Corporation**
        Product: **Unix System V Release 4 Revision 1.2**
        PCD: UNIX System V Release 4.0 POSIX Conformance Programmer's
        Guide
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Unisys Corporation
    Computer Hardware Product: Unisys U6000 Series U6000/65
    C Compiler: Unix System V Release 4 Standard C Development
    Environment Rev. 1.2
    APTL: 0342   Mindcraft, Inc.

151-2UNI002   Issued: 12/02/93   Type: Native
    Product Supplier: **Unisys Corporation**
        Product: **Unix System V Release 4 Revision 1.2**
        PCD: UNIX System V Release 4.0 POSIX Conformance Programmer's
        Guide
            GTI - Supported by Product   MC - Supported by Product
            MFS - Supported by Product   AP - Supported by Product
    Computer Hardware Supplier: Unisys Corporation
    Computer Hardware Product: Unisys U6000 Series U6000/300
    C Compiler: Unix System V Release 4 Standard C Development
    Environment Rev. 1.2
    APTL: 0342   Mindcraft, Inc.

For further information on the NIST/CSL POSIX validation program contact Martha M. Gray, Computer Systems Laboratory, B266 Technology Bldg., NIST, Gaithersburg, MD 20899. Telephone: 301-975-3276, fax: 301-590-0932, e-mail: gray@sst.ncsl.nist.gov.

This register is also available on an electronic mail (email) file server system. To use the service, you must be able to send and receive email via the Internet. For most email systems, send an email message (*mail posix@nist.gov*) with the first line of the message containing a command to *send 151-2reg* and a carriage return. The next line should simply end your email message (on some systems a period and a carriage return). This register will be returned via email to your email address. There is also a register for FIPS 151-1 accredited laboratories and validated products. For this register use the command *send 151-1reg*.

7. COMPUTER SECURITY TESTING

7.1   Cryptographic Standards

The lists in Sections 8.6, 8.7 and 8.8 provide technical information about products that have been validated as conforming to the following computer security FIPS:

a.   Data Encryption Standard (DES), FIPS PUB 46-1,

b.   Message Authentication Code (MAC), FIPS PUB 113, and

c.   Key Management Using ANSI X9.17, FIPS PUB 171.

7.2   Data Encryption Validation Tests

FIPS PUB 46-1 specifies a cryptographic algorithm that converts plaintext to ciphertext using a 56-bit key. Testing procedures for the validation of devices as conforming to FIPS PUB 46-1 are described in the NBS Special Publication 500-20, <u>Validating the Correctness of Hardware Implementations of the NBS Data Encryption Standard</u>. The validation of a device is performed by running the Monte Carlo test described in the publication. The Monte-Carlo test consists of eight million encryptions and four million decryptions, with two encryptions and one decryption making up a single test. The test is designed to use the Electronic Codebook Mode (ECB) of DES. Although the actual test described in NBS Special Publication 500-20 is the same test used to validate devices today, the procedures for administering the test have changed. Currently, the test is performed by the vendor using initial values supplied by NIST. The vendor uses the supplied information to run the Monte-Carlo test and sends the results to NIST.

7.3   Message Authentication Code (MAC) Validation System

FIPS PUB 113, Computer Data Authentication, specifies a Data Encryption Algorithm which may be used to detect unauthorized intentional and accidental modifications to data. This process is known as data authentication. The algorithm is based on DES and is used to authenticate an entire binary message. FIPS PUB 113 is compatible with ANSI X9.9 which provides methods for authenticating an entire binary message as well as all or parts of a message which are in a coded character format. Procedures for the validation of products which implement FIPS PUB 113 and ANSI X9.9 are described in NBS Special Publication 500-156, <u>Message Authentication Code (MAC) Validation System: Requirements and Procedures</u>.

7.4   Key Management Validation System (KMVS)

FIPS PUB 171 adopts ANSI X9.17 for Federal Government use. ANSI X9.17, <u>Financial Institution Key Management (Wholesale)</u>, provides procedures and protocols for the secure generation, distribution, storage, entry, use and destruction of symmetric cryptographic keying material (e.g., DES). It provides key management solutions for a variety of operational environments, and as such, ANSI X9.17 contains a number of options. FIPS PUB 171 specifies a particular set of options whenever keying material is distributed using the protocols of ANSI X9.17. Procedures for the validation of products which conform to a subset of the options selected in FIPS PUB 171 are described in the <u>Key Management Validation System: Point-to-Point Validation System</u> document which is available from the Manager of the Security Group (see Section 8.5).

7.5   General

7.5.1   Request for Validation

To validate a product, a vendor should send a formal request for validation which includes a clear indication of the product to be tested. The request must also include the name, address, and telephone number of the person within the vendor's organization who will be responsible for the validation testing. The request should be sent to:

Manager, Security Technology Group
Computer Security Division
Computer Systems Laboratory
Building 225, Room A216
National Institute of Standards and Technology
Gaithersburg, MD 20899
Telephone (301) 975-2920

7.5.2   Information about Validated Products

It should be noted that the purpose of the following lists (see Sections 7.6, 7.7 and 7.8) is to provide technical information about products that have been validated as conforming to the FIPS Standards listed in Section 7.1. NIST has made every attempt to provide complete and accurate information about the products described in the following lists. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

7.5.3   Validation Documentation

Copies of the above FIPS and Special Publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. The KMVS validation requirements document discussed in Section 7.4 can be obtained by contacting the Manager of the Security Technology Group at the above address.

7.6 DES Validated Devices

NOTE: The purpose of this document is to provide technical information about devices that have been validated as conforming to Federal Information Processing Standard Publication 46-1, Data Encryption Standard. The National Institute of Standards and Technology (NIST) has made every attempt to provide complete and accurate information about the devices described in this document. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
ADT Security Systems 2560 Huntington Avenue Fourth Floor Alexandria, VA 22303 Hal Marriott (703) 960-8548	ADT Universal Communicator	10/17/90	Chip is an on board component for Communicator products in the High Security Intrusion Detection System. System has integrated key management capabilities.
Advanced Micro Devices, Inc. 4115 Freiderich Lane Mail Stop 135 Austin, TX 78744 Patrick Soheili (408) 749-2161	AmZ8068 (also known as Am9518)	1/28/81	One 40-pin DIP package; n-channel Si-gate technology; ECB, CBC, 8-bit CFB modes; separate ports for key input, clear data and enciphered data; concurrent input, output and ciphering activities; external DMA control; interfaces with AmZ8000 CPU bus directly, and with the 2900, 8080, 8085 and 8048 families with minimum throughput greater than 1 Mbytes per second; greater than 1 Mbytes per second.
	AM 9568	2/28/84	N-channel silicon gate LSI product containing the circuitry necessary to encrypt and decrypt data; can be used in terminals dedicated controllers, communication concentrators, and peripheral task processors in general processor systems; can be used in CF, ECB, or CBC operating modes; separate ports for key input, clear data, and enciphered data enhanced security; interface directly to the IAPX86, 88 bus; interfaces with 2900 and 8051 families with minimal external logic.
American Telephone and Telegraph Company (AT&T) 6612 E. 75th Street P.O. Box 1008 Indianapolis, IN 46206 Ken Zempol (908) 658-6870	AT&T Smart Card Version 2.11/DES	5/3/91	Card is part of a smart card based Computer Security System (CSS). The card is carried by an authorized user and permits the user to gain access to host computer systems that are protected by the CSS.
	AT&T Smart Card Version 3.0/DES (5E1)	7/19/91	This version of the AT&T Smart Card is designed to closely follow developments in the international standards arena in areas of card communication protocols, commands and file structures. It is a general purpose smart card that supports multiple applications and uses the DES as a basic part of its operating system.
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. B. F. Bailey (919) 279-3779	AT&T Mark E DES Key Generator, PN ON493049-1X	6/3/92	Not Available
Mr. M. Zugay (919) 279-3779	AT&T Mark ET DES Key Generator, Part No. AN10014-1	6/3/92	Not Available

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
The Analytic Sciences Corporation 700 Boulevard South, Suite 201 Huntsville, AL 35802 James Moore (205) 726-6718	DESafe version 1.0 (software)	8/26/94	DESafe is integrated with a commercial Bulletin Board System (BBS) to protect information during transmission to and from the BBS. DESafe permits cleartext file storage on the BBS by performing encryption/decryption "on the fly" during the file transfer. A stand-alone version of DESafe is employed by BBS users to decrypt (encrypt) downloaded (uploaded) files.
AT&T Whippany Road Whippany, N.J. 07981 William Oeschger (201) 898-1198	AT&T T7000A Digital Encryption Processor	4/22/86	Manufactured using CMOS technology; 40-pin DIP; encryption modes include ECB, CBC, CFB, and OFB; throughput 1.882 Mbytes/second on-chip RAM and ROM program memory.
AT&T Bell Laboratories 25 Lindsley Drive Room 2B-309 Morristown, N.J. 07960 William Oeschger (201) 898-1198	DEP229ER (WE229ER)	9/6/83	3.5 micron NMOS technology; 40-pin DIP; encryption modes - ECB, CBC, OFB, CFB1, CFB8, CFB64; Throughput rate of 117K ciphering operation/second.
Arkansas Systems, Inc. 8901 Kanis Road Little Rock, AR 72205-6498 David H. Bishop (501) 227-6471	DES-MATE	7/6/89	Provides data encryption for messages sent and received on-line between an ATM/EFT Network switch processor and an IBM host participant in that network. DES key management is automatic and under system control.
Chase Manhattan Bank, N.A. 199 Water Street 12th Floor New York, NY 10081 Robert Stevenson (212) 797-4153	Chase Encryption Device 1	7/24/84	Not Available
Collins Telecommunications Collins Defense Communications 350 Collins Road, NE Mail Stop 120-105 Cedar Rapids, Iowa 52498	765-5914-001	10/15/77	pMOS chip with 40 usec algorithm execution time; chip has approximately a 50 nsec state change; can perform I/O functions while the chip is in operation; part of network stand-alone encryptor.
Jim Perkins (319) 395-5773	Voice Privacy Device VP430	10/6/81	Imbedded encryption device for commercial hand held communications devices.
Computer Elektronik Infosys of America, Inc. 512-A Herndon Parkway Herndon, VA 22070 A. Mark Brown	SuperCrypt	7/24/91	Chip designed for high speed (12 Megabytes/sec data rates) encryption and decryption. ECB, CBC, CFB and OFB modes of DES supported as well as MAC generation. Available as a 120 Pin Flat Pack.
(703) 435-3800	CryptCard	1/12/93	CryptCard is an access control and DES encryption adapter for notebook PCs that have a PCMCIA slot.
Cottonwood Software 3448 Orange Street Los Alamos, NM 87544 Jeffrey Saltzman (505) 661-6701	Cottonwood Software DES Class Library v. 1.05 (software)	8/26/94	Cottonwood Software DES Class Library v. 1.05 is available for license and is the basis of "Data Encryption Standard for Windows" (DES4WIN). DES4WIN offers an efficient, easy to use interface for the Data Encryption Standard within a Windows environment; portable format, clipboard or file encryption/decryption, and complete file erasure.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
Cylink Corporation 110 South Wolfe Road Sunnyvale, CA 94086 Les Nightingill (408) 735-5800	CY1045	1/28/87	Not Available
	Cylink Faxdes	7/1/87	Not Available
	12035-001, DES52M	6/3/92	Not Available
	12422-001, DES2M1CFB	8/27/92	Not Available
Datakey Inc. 407 West Travelers Trail Burnsville, MN 55337-9990 Michael Carenzo (612) 890-6850	H8-310 ASACS Smart Card	7/2/92	The ASACS hardware consists of a credit-card sized smart card with an embedded Hitachi H8/310 microprocessor and a reader/writer interface which provides an RS-232 serial connection to a host computer. The smart card functions are implemented in firmware which is stored in the memory of the card's microprocessor.
Docutel/Olivetti Corporation 106 Decker Court Suite 300 Irving, TX 75062 Division International Marketing (214) 550-5400	Docutel Nordisk Spardata Cash Dispensing Terminal	6/20/82	Firmware implementation of DES in ROM for PIN /communications security.
Ericsson G.E., Mobile Communications 1 Mountain View Road Lynchburg, VA 24502 Dan Schwed (804) 948-6055	ADI DES revision 1.0	4/22/94	Software implementation of DES in OFB mode; Provides digital voice encryption for communications between mobile radios, portable radios, and dispatch control consoles in an EDACS Land Mobile Radio Communications System.
The Exchange 15395 SE 30th Place Bellevue, WA 98007 Patricia Lenti-Crane (206)644-7000	EXCRYPT DEB-64-KM (originally EXCLUDE DEB-64-KM)	1/26/89	Encrypts and decrypts data; generates random keys; supports up to six security processor boards that can be run in parallel to enhance throughput; has storage capacity for up to 4000 DES keys; developed for secure financial transactions.
Fairchild Semiconductor 2000 Century Plaza Columbia, MD 21044 Sales Department (301) 730-1510	9414 Chip Set	12/20/73	Bit-slice chip set mounted on a 9414 board with edge or ELCO connector; 4 chip set with 40 pins each; 2 bits, of each byte are distributed to each chip; single 5 V power supply; separate data inputs and outputs; ECB, CFB, and CBC modes of operation.
Front Line Software P.O. Box 217 Lowell, MA 01853 William Graham (617) 452-3352	726-8064 PROM Device	12/1/86	4 K EPROM to be used with Intel IPAX family of micro-processors including all models of the IBM PC family; all modes of DES supported.
GEC-Marconi Limited Ltd. Brown Lane, The Airport Portsmouth, Hampshire P03 5PH England Roger Madden Cycomm Corporation (703) 352-4741	DM800	3/1/93	The DM800 is a module that can be added to an ordinary analogue radio in order to provide communication security by digital encryption.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
GEMPLUS Card International 6290 Montrose Road Rockville, MD 20852 Gilles Lisimaque (301) 770-1558	MCOS16K EEPROM/DES	3/18/91	A multi-application smart card which complies with the ISO standard 7816 (parts 1, 2, and 3) for Integrated Circuit cards with contacts.
General Electric Company Mountain View Road Lynchburg, VA 24502 Jim Elder (804) 948-6187	Part Number 19B801375	6/28/85	The GE DES IC is a microprocessor controlled, low speed asynchronous CMOS IC using DES. Intended to provide secure voice in commercial grade mobile radio applications.
Glenco Engineering, Inc. 270 Lexington Drive Buffalo Grove, IL 60089-6930 D. Wade Clark (708) 808-0300	Glen-DES PN GL306051	5/8/92	The Glen-DES is a compact 20 pin design, using low power CMOS technology, operating at 3us using a 16 MHz clock. The DES chip features nonvolatile internal memory, an external key and a combined key. It is available with a simple CPU interface and it supports a DOS printer port implementation.
GTE Sylvania 77 "A" Street Needham Heights, MA 02194 Harold Manley (617) 449-2000	Mark IV Firmware DES	2/27/79	Uses AMD-2901, 4-bit slice, bipolar uP.
IBM Corporation Federal Systems Division P.O. Box 100 Kingston, NY 12401 Robert Elander (914) 385-6692	4402182 WK4/988	11/1/77	This card used in terminal equipment; the chip uses technology with PLA control to implement CBC;
	P/N 8270094 using DES Chip P/N 5898057 (originally 8269206)	8/25/78	This card is used in 3845 and 3846 equipment for 8-bit CFB.
	Two TTL cards - 8632242 and 8679176	9/21/79	Will operate at least at the 1.5 Mbytes 360 channel rate; card set is used in the 3848 cryptographic unit; uses "Emerald-5" technology.
IBM Corporation 1001 W.T. Harris Blvd. West Charlotte, NC 28257 William Rohland (704) 594-8250	4745 Security Interface Unit and the Personal Security Card	10/10/90	Devices are used in a transac-tion security system to protect the privacy and integrity of data using a common cryptographic interface. The security interface unit communicates with the Personal Security Card and the cryptographic adaptor, if present. The Personal Security Card is an integrated-circuit chip card that contains a single chip security processor.
IBM Corporation P. O. Box 950 Poughkeepsie, NY 12602 Robert Granell (914) 435-5751	IBM EX/900 Integrated Cryptographic Feature	2/26/93	The Integrated Cryptographic Feature is available for inclusion on the IBM ES/9000 processors in support of IBMs cryptographic architecture.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
IBM Corporation Branch Delivery Systems Dept. 04V, Bldg. 204 1001 W.T. Harris Blvd. Charlotte, NC 28257 Todd Arnold (704) 594-8253	IBM BDS Portable-C DES, version 1.0 (software)	7/1/94	Portable C-language implementation of DES, used in products developed by IBM Branch Delivery Systems.
Information Security Corporation 1141 Lake Cook Rd., Suite D Deerfield, IL 60015 Michael Markowitz (708) 405-0500	DES module/Intel, version 3.0 (software)	8/9/94	An extremely high speed module implemented in 386 assembly language. Used in SecretAgent for DOS, Windows and UNIX System V/386. Available as an object module library or DLL, or as one component of the AT&T Surity Cryptographic Development Kits on those platforms.
	DES module/68K, version 3.0 (software)	8/9/94	An extremely high speed module implemented in 68020 assembly language. Used in SecretAgent for Macintosh. Available as an object module library for MPW or Think C, or as one component of the AT&T Surity Cryptographic Development Kits for Macintosh.
	DES module/C, version 2.0 (software)	8/16/94	A portable DES module implemented in C/C++. Used in SecretAgent for UNIX (except on Intel platforms). Available as an object module library, or as one component of the AT&T Surity Cryptographic Development Kits for Sun, DEC, HP and other UNIX platforms.
Intel 1900 Prairie City Road Folsom, CA 95630 Joe Dragony (916) 351-5250	8294	1/3/78	Algorithm is microcode which is burned into a 1 Kbyte ROM on a 5 volt, 40-pin chip driven by a 8042 microprocessor.
	8294A	6/20/82	Same as the 8294 except for a maximum data transfer rate of 400 bytes per second.
John E. Holt & Associates 2714 Key Boulevard Arlington, VA 22201 John Holt (703) 524-2923	Krypton Firmware	2/12/86	ROM chips for the standard IBM PC family include eight 3722 chips, four 2764 chips and one 27256 chip; 1024-bit CBC chaining; encryption speed dependent on clock of PC; ROM can plug directly into ROM slot.
Jones Futurex 3715 Atherton Road Rocklin, CA 95765 Steve De Rosa (916) 632-3456	SAFE 300	8/12/93	The SAFE 300 is a stand-alone fax encryptor that provides both public network security and office privacy with automatic fax encryption, confidential fax mailbox, and misdial protection.
Lexicon ICOT Corporation 3801 Zanker Road P.O. Box 5143 San Jose, CA 95150-5143 Bob Lynch (408) 433-3300	LEX-POS (Model 600)	11/28/84	A Personal Identification Number (PIN) entry device; used in conjunction with financial transaction devices, 16 key keyboard, 20 character display, RS-232 compatible, Lexicon sold LEX-POS to ICOT Corporation.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
Logimens Inc. 1080 Beaver Hall, Room 300 Montreal, Quebec H2Z 1S8 Normand Delisle (514) 876-3646	DESDLL.DLL 2.0 E/D Engine (software)	7/25/94	DESDLL.DLL is the software cryptoengine for WinDES 2.0; WinDES provides easy to use encryption/decryption as well as other file protection features for pc-compatible systems running under MS Windows; supports drag & drop capabilities, file compression, Defense-related secure file deletion, etc.
	PcDES 2.0 (software)	7/25/94	PcDES 2.0 (software) provides easy to use data encryption/ decryption (manual and batch modes) as well as other file protection features for pc-compatible systems running under DOS; supports Defense-related secure file deletion, etc.
LSI Logic/Dataco AS Smedeholm 12-14 DK-2730 Herlev Denmark Jens Kjelsbak 45 44 53 01 00	Dataco L5A4043 2030025402	1/12/90	Custom DES IC was manufactured by LSI Logic for Dataco. The DES chip is designed for optional use in ScaNet local area network products.
Matsushita Electronic Comp. High Frequency Products Div. One Pansonic Way Secaucus, NJ 07094 Dursun Sakarya (201) 348-7767	EBC 1642 IC Card	3/13/91	Card is designed to be a high security external storage media housing an 8 bit CPU and 64 Kbit EEPROM.
Micro Card Technologies, Inc. 14070 Proton Road Dallas, TX 75244 Jeff Lang (214) 788-4055	Micro Card TB100 Integrated Circuit Card	9/19/90	A multi-application integrated circuit card which can simultaneously support several application data files. Ciphering and deciphering functions may be used to encrypt or decrypt external messages using DES.
Morse Security Group, Inc. 12960 Bradley Avenue Sylmar, CA 91342-0128 Nalin Chheda (800) 423-5669 (818) 367-5951	TRAP 5200 System	4/17/90	Touch response alarm processor system, including a receiver processor located in a data gathering center and a series of transponders located at remote locations contains DES to produce encrypted data that flows along a communication path.
Motorola Microprocessor Products Div. 6501 William Cannon Drive W. Austin, TX 78735-8598 Don Ponder (512) 440-2956	MC6859 (originally MGD68NE)	2/11/80	Si-gate depletion mode, nMOS 24-pin DIP using single 5 volt power supply; implements ECB and CFB.
Motorola 1309 East Algonquin Road Shaumburg, IL 60196 James Osborn (312) 576-2251	TSW-2	11/12/81	Special purpose for internal use only.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
Newbridge Microsystems 603 March Road Kanata, Ontario Canada K2K 2M5 Tony Rosati (613) 592-0714	CA95A	9/8/93	The CA95C Data Ciphering Processor implements the DES using the ECB, CFB, or CBC modes of operation. The CA95C provides a high through-put rate up to 11 Mbytes/second. Separate ports for key input, clear data and enciphered data are available.
	CA20C03A	4/10/91	A high performance WD20C03A compatible DES Data encryption processor with data transfer rates up to 4 Mbytes per second. Supports ECB and CBC; PLCC and PDIP packaging available.
Newnet S.A. Alsina 430 Buenos Aires 1087 Argentina Daniel Ramos 54 1 334 9732	Data Security Device (DSD 9612)	7/2/91	This device is based on an eight bit INTEL microprocessor with 8 Kbytes of EPROM. Transfer data at speeds of 1200 to 9600 bps and communicates w/ other devices via EIA RS-232-C ports.
Nixdorf Computer Corporation 168 Middlesex Turnpike Burlington, MA 01803 Kevin Madden (617) 890-3600	VEM Module	1/7/80	The plug-in module is used with the Nixdorf 8864 CPU for encrypting data transmission blocks and file protection; may be used in terminal applications in the financial community; uses TTL.
Northern Telecom 3705 35th St. NE Calgary, Alberta T1Y 6C2 Paul Provençal Bell Northern Research (613) 763-8014	BNR 64-bit Cipher Feedback Mode Module, version 1.0 (firmware)	7/19/94	The validated firmware is used in the PowerTouch 350 (Vista 350), an advanced screen telephone that connects to standard analog phone lines. PowerTouch 350 has an 8 line by 21 character display and supports the Bellcore ADSI protocol; uses the DES in 64-bit CFB mode to provide data encryption targeted for banking applications.
Racal-Milgo P.O. Box 407044 Ft. Lauderdale, FL 33340-7044 Richard Abbruscato (305) 476-6800	Datacryptor	1/7/80	Stand alone equipment with public key management remote distribution of master keys.
Rothenbuhler Engineering P.O. Box 708 2191 Rhodes Road Sedro Wolley, WA 98284-0708 Andrew Benson (206) 856-0836	CLS Series 5200 Encryption Module	3/19/91	The CLS Series 5200 Encryption Module is used in a system which communicates 8 channels of electronic security information between a client and a central monitoring facility.
Secur-Data Systems, Inc. Omega Center 7340 Executive Way, Suite R Frederick, MD 21701 Ronald Baum (301) 698-9955	DESPLEX	2/2/89	Used in a CF configuration as part of a firmware operating system for processing and transmission of alarm sensor data as well as receiving and annunciating data at an alarm monitoring facility.
Secure Computing Corporation 2675 Long Lake Road Roseville, MN 55113 Ron Bohn (612) 628-2725	sctc_des.c, version 1.7	4/22/94	Software implementation of DES that is used in LOCKout products; LOCKout uses DES-based challenge-response to provide protection for networks, support remote user dial-in authentication, and provide Internet Firewall protection for host computers.

MANUFACTURER ADDRESS	PRODUCT	VALIDATION DATE	DESCRIPTION
Texas Instruments, Inc. P.O. Box 1443, M/S 736 Houston, TX 77001 Mike Polen (713) 274-3635	TMS 99541	2/28/82	Preprogrammed TMS7020 8-bit single chip microprocessor; 40-pin DIP plastic package I/O pins are TTL compatible; master and active key registers.
UNIVAC P.O. Box 3942 St. Paul, MN 55165 Jim Nelson (612) 631-6728	End-End/Mass Storage Encryptor	1/29/80	Prototype device for testing purposes only
Virtual Open Network Environment Corp. 12300 Twinbrook Parkway Rockville, MD 20852 George Thornton (301) 881-2297	V-ONE DES Module (software)	7/25/94	Smart card system for PC security, file encryption and decryption, user authentication, secure remote system logon, personal identification, and multilevel system access.
VLSI Technology, Inc. 8375 S. River Parkway Tempe, AZ 85284 R. Slusarczyk (602) 752-8574	VM007 - Data Encryption Processor	1/6/92	The VM007 Data Encryption Processor is a programmable integrated circuit that provides a complete cryptographic system on a single chip. It contains a hardware implementation of the DES, RISC-based sequencer, data storage registers, and ROM-based microprogram. It is designed to provide very high data and key processing rates (up to 190 Megabits per second), flexible I/O inter-facing, advanced security features and supports all DES modes of operation. The VM007 is manufactured using 1.0 micron CMOS technology and is available in a 84-pin leaded ceramic chip carrier.
	VM009 Data Encryption Processor	1/11/93	The VM009 Data Encryption Processor is a programmable integrated circuit that provides a complete cryptographic system on a single chip. It contains a hardware implementation of the DES, and data storage registers. It is designed to provide very high data and key processing rates (up to 100 Megabits per second), flexible I/O inter-facing, advanced security features, and supports all DES modes of operation. The VM009 is manufactured using 1.0 micron CMOS technology and is available in a 40 lead plastic DIP and 44 lead plastic leaded chip carrier.
Wells Fargo Security Products Unit of Baker Protective Svcs. 1010 North Glebe Road, Suite 680 Arlington, VA 22201 William Martin (703) 247-4250	WP PN 5286/ WP PN 5287	5/26/89	The monitor panels are intended for use in a monitoring station of a proprietary intrusion detection alarm system.
Western Digital Corporation 2445 McCabe Way Irvine, CA 92714 Product Marketing Manager for Security Devices (714) 474-2033 X7853	WD-2001/WD2002	8/9/79	Uses si-gate nMOS, TTL compatible; ECB speeds of up to 40 Kbytes/second, 161 Kbytes/second and 242 Kbytes/second.
	WD20C03 DES Device	2/19/87	Uses si-gate CMOS, TTL compatible; ECB and CBC, speeds of up to 403 Kbytes/second, 645 Kbytes/second and 807 Kbytes/second in ECB.

7.7 FIPS 113, Computer Data Authentication Message Authentication Code (MAC) Implementations

Vendor/Contact	Implementation	Validated Options
1. ACS Communications Systems Inc. 480 Spring Park Place Suite 900 Herndon, VA 22070 Don Cole, (703) 471-0892	Personal Computer Security Module, PCSM-T May 16, 1986	BINARY OPTION (FIPS 113)
2. Federal Reserve Bank of Cleveland P.O.B. 6387 Cleveland, Ohio 44101 Dave Rich, (216) 579-2221	Jones Futurex PC Encryption Board FRS PC MAC Processor October 28, 1986	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING
3. Shannon Systems, Inc. Mountain View, CA Out of Business	Remote Crypto Facility Software Version 3.0 January 16, 1987	BINARY OPTION (FIPS 113)
4. Codercard, Inc. Rights transferred to LITRONICS Information Systems on Sept. 12, 1990 - see entry 23. LITRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 Bob Gray, (714) 557-3444	Personal Computer Security Adaptor, CPS-300 Argus, Version 1 Software February 26, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS, ENTIRE MESSAGE, NO EDITING CODED CHARACTERS, ENTIRE MESSAGE, EDITING CODED CHARACTERS, EXTRACTED MESSAGE ELEMENTS, NO EDITING CODED CHARACTERS, EXTRACTED MESSAGE ELEMENTS, EDITING
5. Jones Futurex, Inc. 10933 Trade Center Drive Rancho Cordova, CA 95670 Don Thompson, (916) 635-3972	MAC-310 Message Authenticator February 27, 1987	BINARY OPTION (FIPS 113)
6. Infomax Securities 6974 Sandpiper Place Carlsbad, CA 92009 David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.5 March 27, 1987	BINARY OPTION (FIPS 113)
7. Inter-Quest, Inc. 16508 E. Laser Drive Fountain Hills, AZ 85268 Charles Redding, (602) 948-2560	PORT-OF-ENTRY Computer Security System Vers. 1.1 (Software) May 8, 1987	BINARY OPTION (FIPS 113)
8. Infomax Securities 6974 Sandpiper Place Carlsbad, CA 92009 David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.6 May 11, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
9. Digitech Telecommunications, Inc. 342 Madison Avenue Suite 2010 New York, NY 10017 James J. McKeeff, (212) 557-7230	Softnet Software, Version 1 June 29, 1987	BINARY OPTION (FIPS 113)
10. Sytek, Inc. Rights transferred to AeT Research, Inc. on January 29, 1988 - see entry 17 AeT Research 675 North First Street Suite 800 San Jose, CA 95112 Linden Feldman, (408) 275-0820	MACbox June 30, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
11. Inter-Quest, Inc. 16508 East Laser Drive Fountain Hills, AZ 85268 Charles Redding, (602) 948-2560	PORT-OF-ENTRY Computer Security System Vers 1.2 (Software) August 17, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
12. Racal-Guardata Limited Richmond Court 309 Fleet Road Fleet, Hampshire GU13 8BU England Paul Halliden, (252) 622144, England	PC Security Module, RGL 600 RGL 600 Host PC C Driver Software, Version: V1.01 November 20, 1987	BINARY OPTION (FIPS 113)
13. The Chase Manhattan Bank, N.A. 1 Seaport Plaza 11th Floor New York, New York 10038 Bob Martian, (212) 797-4038	C-FIMAS 16 Software, Version 1.0 December 6, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
14. Atalla Corporation 2304 Zanker Road San Jose, CA 95131 Dale Hopkins, (408) 435-8850	Personal Computer Module, CPCM CPCM.HEX Software, Version OA 13-2043-01 January 11, 1988	BINARY OPTION (FIPS 113)

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
16. GN Telematic, Inc. 46 Manning Road Billerica, MA 01821 Poul Hebsgaard, (617) 667-8644	safeMatic 2000, KB76-17527 Coded Character Set Processing Software, Model KB77-17012, Version A February 3, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	22. Racal-Guardata, Inc 480 Spring Park Place Suite 900 Herndon, VA 22070 Brian Bucholz, (703) 471-0892	X9 Crypto Server June 1, 1990	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
17. AeT Research 675 North First Street Suite 800 San Jose, CA 95112 Originally validated on June 30, 1987 as a Sytek, Inc. device - see entry 10. Linden Feldman, (408) 275-0820	MACbox August 8, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	23. LITRONIC Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 Rights transferred on September 12, 1990 Bob Gray, (714) 545-6649 James Prohaska, (703) 960-8068	Personal Computer Security Adapter Argus, Version 1 Software** Originally validated by Codercard, Inc. on February 26, 1987 - see entry 4.	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
18. Atalla Corporation 2304 Zanker Road San Jose, CA 95131 Dale Hopkins, (408) 435-8850	Personal Computer Module, MN-40-249 CPCM.HEX Software, Version OE 13-2043-00 September 26, 1988	BINARY OPTION (FIPS 113)	24. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7060	4755 Cryptographic Adapter October 15, 1990	BINARY OPTION (FIPS 113)
19. Cypher Communications Technology, Inc. 4520 East-West Highway Suite 550 Bethesda, MD 20814 Angel Bailey, (301) 652-6790	CYCOM SCI AX3 5.01, Version 10084002 February 2, 1989	BINARY OPTION (FIPS 113)	25. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7060	4754 Security Interface Unit October 15, 1990	BINARY OPTION (FIPS 113)
20. Dial-Guard 55 Koch Road/PO Box 7045 Corte Madera, CA 94925 Shun-Hwa Chang or Trone Miller, (415) 927-2232	Dial-Guard Remote Authenticator 01-103, Version 2.0 Rev. 0 March 6, 1989	BINARY OPTION (FIPS 113)	26. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7060	IBM Personal Security Card October 15, 1990	BINARY OPTION (FIPS 113)
21. Okiok Data 3945 St. Martin Laval, Quebec, Canada H7T 1B7 Claude Vigeant, (514) 681-1681	RAC/M FAS-PACK, Version 1.0 April 24, 1989	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	27. Cypher Communications Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850 Angel Bailey, (301) 590-9314	CYCOM SCI/SL 96 AX5 5.03, Version 10084012 December 19, 1990	BINARY OPTION (FIPS 113)
			28. Cypher Communications Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850 Angel Bailey, (301) 590-9314	CYCOM SCI 192 AX7 5.05, Version 10084020 January 10, 1991	BINARY OPTION (FIPS 113)

Vendor/Contact	Implementation	Validated Options
29. Digital Equipment Corporation Digital Drive - MK01-2/B06 Merrimack, NH 03054 Steve Lawrence, (603) 884-3445	PIN Pad 201 SMD Model: P003-120-XX March 25, 1991	BINARY OPTION (FIPS 113)
30. Information Security Corporation 1141 Lake Cook Road Suite D Deerfield, IL 60015 Michael Markowitz, (708) 405-0500	DES Module used in SpyProof! July 10, 1991	BINARY OPTION (FIPS 113)
31. Digital Signature Validated by Information Security Corporation 1115 N. East Avenue Oak Park, IL 60302 Michael Markowitz, (708) 405-0500	DES Module used in CryptMaster (3.20) and SecretAgent (1.00) July 15, 1991	BINARY OPTION (FIPS 113)
32. The Exchange Systems 15395 SE 3oth Place Bellevue, WA 98007-6594 Robert Adamson, (206) 644-7000 X255	PCE-3000 (IBM PS/2 Microchannel) January 8, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
33. The Exchange Systems 15395 SE 3oth Place Bellevue, WA 98007-6594 Robert Adamson, (206) 644-7000 X255	PCE-1000 ISA Adaptor January 9, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING

7.8 FIPS 171, Key Management Validation Using ANSI X9.17

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
1. LITRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 (Originally validated by Codercard; rights transferred on September 11, 1990) Bob Gray, (714) 545-6649 James Prohaska, (703) 960-8068	Hardware: Argus-PC, Model: CMS-100 Software: Argus/MACE Software, Version: 1.0 September 23, 1988	No. of communicating pairs: 2 No. of manual (*)KKs per comm. pair: 2 Length of manual and auto. (*)KKs: PAIR Key generation capability: YES Number of auto. distr. (*)KKs shared: UP TO 4 Number of KDs shared: UP TO 8 2 KDs in KSMs: SOMETIMES Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: SOMETIMES Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED	3. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742 John Gill, (617) 862-6035	Hardware: CX5000 Software: Version: 2.0 May 15, 1991	No. of communicating pairs: 1 No. of manual (*)KKs per comm. pair: 2 Length of manual and auto. (*)KKs: PAIR Key generation capability: YES Number of auto. distr. (*)KKs shared: 4 Number of KDs shared: 1 2 KDs in KSMs: NEVER Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: NEVER Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED
2. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742 John Gill, (617) 862-6035	Hardware: CX5000A Software: Version: 1.0 May 6, 1991	No. of communicating pairs: 1 No. of manual (*)KKs per comm. pair: 2 Length of manual and auto. (*)KKs: PAIR Key generation capability: YES Number of auto. distr. (*)KKs shared: 0 Number of KDs shared: 1 2 KDs in KSMs: NEVER Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: NEVER Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED	4. COMMUNICATION DEVICES, INC. 1 Forstmann Court Clifton, NJ 07011 Gene Hartsell, (201) 772-6997	Hardware: RSD/E Software: Version 7.2	No. of communicating pairs: 1 No. of manual (*)KKs per comm. pair: 1 Length of manual and auto. (*)KKs: PAIR Key generation capability: NO Number of auto. distr. (*)KKs shared: 0 Number of KDs shared: 1 2 KDs in KSMs: NEVER Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: NEVER Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED Number of communicating pairs: 1 Number of manual (*)KKs per comm. pair: 2 Length of manual and

APPENDIX A

FIPS CONFORMANCE TESTING
PRODUCTS AND SERVICES

APPENDIX A

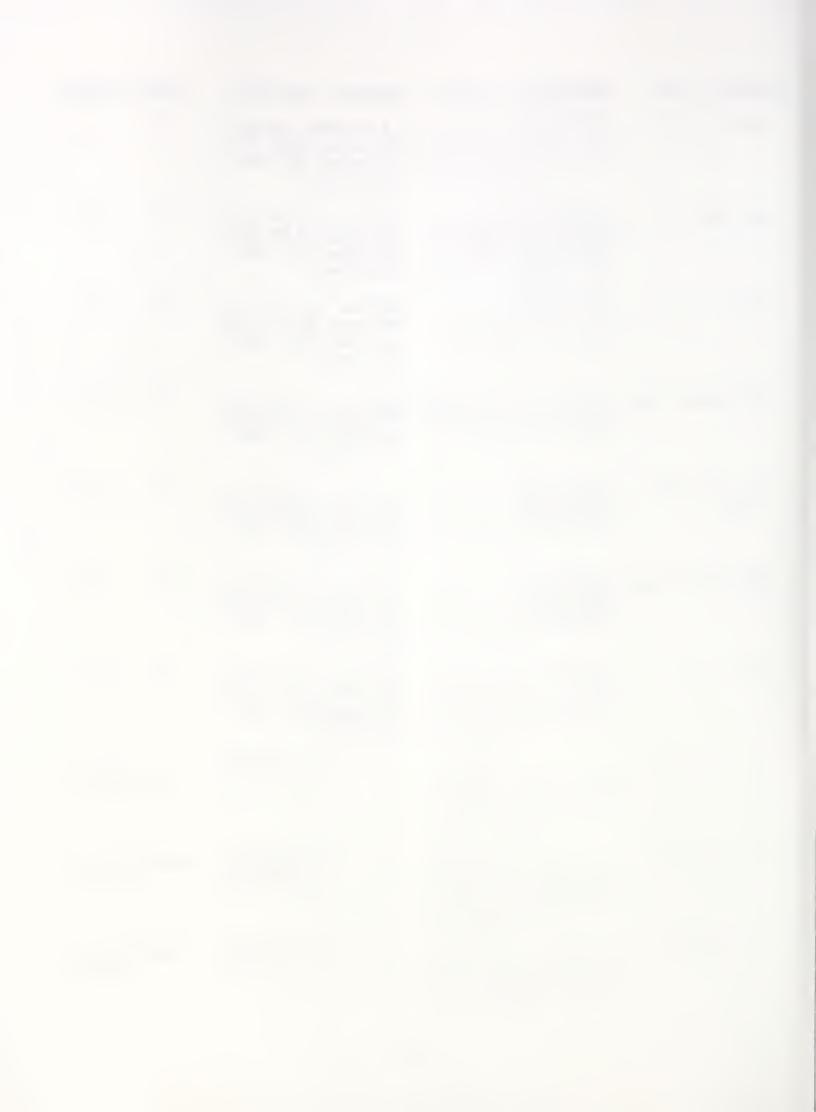## FIPS CONFORMANCE TESTING
PRODUCTS AND SERVICES

The purpose of this appendix is to provide information about products and services that are available to Federal Agencies for assessing products for conformance to FIPS.

The entries in this list identify the topic, the standard tested, the NIST contact, and the product or service offered. The letters T, S, or C in the Product/Service column indicate a test method, testing service, or certificate/registered report respectively.

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
COBOL	FIPS PUB 21-3	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Fortran	FIPS PUB 69-1	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Pascal	FIPS PUB 109	Carmelo Montanez (Technical) NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398 Judy Kailey (Scheduling) (301) 975-3259	T, S, C
C	FIPS PUB 160	Carmelo Montanez (Technical) NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398 Judy Kailey (Scheduling) (301) 975-3259	T, S, C
Ada	FIPS PUB 119	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C
MUMPS	FIPS PUB 125	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
SQL	FIPS PUB 127-1	Joan Sullivan NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3258	T, S, C
GKS	FIPS PUB 120	Susan (Quinn) Sherrick NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3268	T, S, C
CGM	FIPS PUB 128 MIL-D-28003	Lynne Rosenthal NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3353	T, S, C
PHIGS	FIPS PUB 153 ANSI/ISO 9592.1-1989	Kevin Brady NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3644	T, S, C
Raster	FIPS PUB 150 MIL-R-28002	Frank Spielman NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3257	T
IRDS	FIPS PUB 156	Alan Goldfine NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3252	T, S, C
POSIX	FIPS PUB 151-2	Martha Gray NIST, Bldg. 225, Rm. B266 Gaithersburg, MD 20899 (301) 975-3276	T, S, C
Message Authentication	FIPS PUB 113	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Key Management Validation	FIPS PUB 171 ANSI X9.17	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Data Encryption Standard	FIPS PUB 46-1	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
GOSIP	FIPS PUB 146	J. P. Favreau NIST, Bldg. 225, Rm B217 Gaithersburg, MD 20899 (301) 975-3634	T, S
1984 X25	CCITT X.25-1984 ISO 7776, ISO 8208 ISO 8882, ISO 9646 FIPS PUB 100-1	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN	FIPS PUB 182	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Physical Layer	ANSI T1.605 (S/T Interface) ANSI T1.601 (U Interface)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Data Link Layer	CCITT Q.921 ANSI T1.602	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Network Layer	ANSI T1.607 ANSI T1.608 FIPS PUB	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
FDDI	ANSI X3T9	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T

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